SEQUENCE LISTING

<110> Stolk, John A.
Molesh, David Alan
Fling, Steven P.
Xu, Jiangchun

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C6

<140> US
<141> 2001-10-02

<160> 215

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 303, 370, 377, 382
<223> n = A,T,C or G

<400> 1
caacctcact agtaaatgaa agaaatattg taatttgtat ttgatctgct gggtctttgg 60
agtcagaact ggttttatca gcagtttgat cttctgaggt ctggtatgta gtttgctggc 120
ccacagaacc ttcacgtgta ttcacagcct caatgccata aggaaactct tttagaagtt 180
ctgacagctg gtcatgtagg tataagacag gtgccttatc actgtggatt tcatttcttg 240
caggatcttg gggagtatag ttgctggatg catctatttc ctgagggtaa atatcctcct 300
ggncgacgcg gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 360
tgccttctan ttgccancca tntgttgttt gcccct 396

<210> 2
<211> 396
<212> DNA
<213> Homo sapiens

<400> 2
cgaccaaaaa gtaaactcca agtgaacatc aaatcaaatc taatcctttt ggccacatga 60
ctggttgttc tttatctcat agttacaatg aatcatataa actgtagact gccactacca 120
cgatacttct gtgacacaga aggaatgtcc tatttgccta tctatctgag gaatgttaaa 180
tagagaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
ttaaaaaaca tctgaacagc aaatgtccaa tctgtaataa aatagttaaa ggtccaagtc 300
aagtccactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
tgcttttcta attttcccgg aggacatggg ccattg 396

<210> 3
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 28, 29, 30, 33, 36, 41, 43, 45, 46, 53, 56, 58, 61, 64,
69, 70, 74, 75, 78, 83, 84, 85, 102, 143, 335
<223> n = A,T,C or G

<400> 3
cgcccttttt ttttttttt tnattggnnn aantcncttt nantnnaaaa acntgnangg 60
naancccann cccnnggnac cannnccagg agttgggtgg anactgagtg gggtttgtgt 120
gggtgagggg gcatctactc ctnttgcaac aagccaaaag tagaacagcc taaggaaaag 180
tgacctgcct tggagcctta gtccctccct tagggccccc tcagcctacc ctatccaagt 240
ctgaggctat ggaagtctcc ctcctagttc actagcaggt tccccatctt ttccaggctg 300
cccctagcac tccacgtttt tctgaaaaaa tctanacagg ccctttttgg gtacctaaaa 360
cccagctgag gttgtgagct tgtaaggtaa agcaag 396

<210> 4
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 15, 21, 27, 34, 37, 41, 57, 58, 59, 63, 64, 71, 72, 77,
78, 83, 87, 93, 170, 207, 210, 308, 379, 382, 389, 391,
392, 393, 395
<223> n = A,T,C or G

<400> 4
gaccaatcct tgncncacta ncaaaangac cccnctnacc nccaggaact gaacctnnnt 60
gtnnacctcc nnctgcnnag ccntatntcc aanatcaccc accgtatcca ctgggaatct 120
gccagcctcc tgcgatcaga agagaccaat cgaaaatgag ggtttcacan tcacagctga 180
aggaaaaggc caaggcacct tgtcggnggn gacaatgtac catgctaagg ccaaagatca 240
actcacctgt aataaattcg acctcaaggt caccataaaa ccagcaccgg aacagaaaaa 300
gaggcctnag gatgcccaag aaacactttt gatcctttga aaactgtacc aaggtaccgg 360
ggggagaccc aggaaaggnc cnttatgtnt nnntnt 396

<210> 5
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 135, 172, 343, 348, 354, 395
<223> n = A,T,C or G

<400> 5
gacgccggag ctgccgcgcc agtcgcctag caggtcctct accggcttat tcctgtgccg 60

gatcttcatc ggcacagggg ccactgagac gtttctgcct ccctctttct tcctccgctc 120
tttctcttcc ctctngttta gtttgcctgg gagcttgaaa ggagaaagca cnggggtcgc 180
cccaaaccct ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240
tcctccctct tctcccgact atttggcaag aagcagatgc gcattttgat ggttggattg 300
gatgctgctg gcaagacaac cattcttgat aaactgaaag tanggganat aagnaccacc 360
atttctacca ttgggtttaa tgggggaaac agtana 396

<210> 6
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 212
<223> n = A,T,C or G

<400> 6
acgggaggcg ccgggaagtc gacggcgccg gcggctcctg caggaggcca ctgtctgcag 60
ctcccgtgaa gatgtccact ccagacccac ccctgggcgg aactcctcgg ccaggtcctt 120
ccccgggccc tgcccttccc ctggagccat gctgggccct agcccgggtc cctcgccggg 180
ctccgcccac agcatgatgg ggcccagccc angggccgcc ctcagcagga caccccatcc 240
ccacccaggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
agtccatgca tgagaagggc atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360
ggatgcggtc agggggccat gctgggatgg ggcccc 396

<210> 7
<211> 396
<212> DNA
<213> Homo sapiens

<400> 7
acccgagagt cgtcggggtt tcctgcttca acagtgcttg gacggaaccc ggcgctcgtt 60
ccccaccccg gccggccgcc catagccagc cctccgtcac ctcttcaccg caccctcgga 120
ctgccccaag gccccccgccg ccgctccagc gccgcgcagc caccgccgcc gccgccgcct 180
ctccttagtc gccgccatga cgaccgcgtc cacctcgcag gtgcgccaga actaccacca 240
ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300
cctgtccatg tcttactact ttgaccgcga tgatgtggct ttgaagaact ttgccaaata 360
ctttcttcac caatctcatg aggagaggga acatgc 396

<210> 8
<211> 396
<212> DNA
<213> Homo sapiens

<400> 8
cgacaacaag gttaatacct tagttcttaa catttttttt ctttatgtgt agtgttttca 60
tgctaccttg gtaggaaact tatttacaaa ccatattaaa aggctaattt aaatataaat 120
aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
aaaccaccca aatgaccaag gcatatatag tatttggagg aatcaggggt ttggaaggag 240
tagggaggag aatgaaggaa aatgcaacca gcatgattat agtgtgttca tttagataaa 300
agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360
ggtgaaaaaa acactgccat tcacaagtca aggaac 396

<210> 9
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 321, 344
<223> n = A,T,C or G

<400> 9
tcgacatcgc ggcaactttt tgcggattgt tcttgcttcc aggctttgcg ctgcaaatcc 60
agtgctacca gtgtgaagaa ttccagctga acaacgactg ctcctccccc gagttcattg 120
tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg 180
ggatcatgta ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt 240
accagtcctt ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc 300
ctctttgtaa cgggccaagg nccaaaaaaa ggggaaagtt ctgncctcgg ccctcaggcc 360
agggctccgc accaccatcc tgttcctcaa attagc 396

<210> 10
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 115, 116, 117, 130, 138, 142, 143, 144, 145, 146, 153, 157,
158, 159, 160, 164, 175, 176, 177, 178, 179, 183, 187, 197,
198, 202, 203, 204, 205, 206, 211, 212, 213, 215, 216, 217,
220, 221, 222, 226, 231, 234, 236, 237, 245, 246, 247
<223> n = A,T,C or G

<221> misc_feature
<222> 250, 255, 264, 266, 267, 268, 269, 270, 271, 272, 279, 284,
297, 303, 304, 305, 308, 315, 317, 318, 319, 320, 321, 322,
323, 333, 334, 337, 338, 342, 343, 368, 372, 374, 380, 381,
391, 395
<223> n = A,T,C or G

<400> 10
ccttttttttt ttttttttttt ttttttttttt ttttttttttt ttttttttttt ttttttttttt 60
ttttttttttt ttttttttttt ttttttttttt ttttttttttt ttttaaaaaa aaaannnttt 120
ttttttttttn aaaaaaangg gnnnnnttttt ttncccnnnn gggnggggggg ggggnnnnnt 180
ttnaaanaaa aaaaccnnaa annnnnnggg nnnannnaan nncccncccc naancnntaa 240
aaaannnggn aaaanagggg gggnannnnnn nnggggggna aaantttttt ttttttnaag 300
ggnnnggnaa aaaantnnnn nnnttttttt ttnnaanngg gnnaaaaaaa aaaaaaaaaa 360
atttttngg gntnaggggn ngggggaaaa ncccna 396

<210> 11
<211> 396
<212> DNA
<213> Homo sapiens

<400> 11

```
agaacacagg tgtcgtgaaa actaccccta aaagccaaaa tgggaaagga aaagactcat 60
atcaacattg tcgtcattgg acacgtagat tcgggcaagt ccaccactac tggccatctg 120
atctataaat gcggtggcat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
gagatgggaa agggctcctt caagtatgcc tgggtcttgg ataaactgaa agctgagcgt 240
gaacgtggta tcaccattga tatctccttg tggaaatttg agaccagcaa gtactatgtg 300
actatcattg atgccccagg acacagagac tttatcaaaa acatgattac agggacatct 360
caggctgact gtgctgtcct gattgttgct gctggt                           396
```

<210> 12
<211> 396
<212> DNA
<213> Homo sapiens

<400> 12

```
cgaaaacctt taaaccccgg tcatccggac atcccaacgc atgctcctgg agctcacagc 60
cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgtttat 120
gtcttcaagt gacctgtact gcttggggac tattggagaa aataaggtgg agtcctactt 180
gtttaaaaaa tatgtatcta agaatgttct agggcactct gggaacctat aaaggcaggt 240
atttcgggcc ctcctcttca ggaatcttcc tgaagacatg gcccagtcga aggcccagga 300
tggcttttgc tgcggccccg tggggtagga gggacagaga gacagggaga gtcagcctcc 360
acattcagag gcatcacaag taatggcaca attctt                           396
```

<210> 13
<211> 396
<212> DNA
<213> Homo sapiens

<400> 13

```
accacaggct ggccacaaga agcgctggag tgtgctggcg gctgcaggcc tacggggcct 60
ggtccggctg ctgcacgtgc gtgccggctt ctgctgcggg gtcatccgag cccacaagaa 120
ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta 180
tgacaagcgg atcatcctct gggacatcgg ggtgcccaac caggactacg aattccaggc 240
cagccagctg ctcacactgg acaccacctc tatccccctg cgcctctgcc ctgtcgcctc 300
ctgcccggac gcccgcctgc tggccggctg cgagggcggc tgctgctgct gggacgtgcg 360
gctggaccag ccccaaaaga ggagggtgtg tgaagt                           396
```

<210> 14
<211> 396
<212> DNA
<213> Homo sapiens

<400> 14

```
acggcgtcct cgtggaagtg acatcgtctt taaaccctgc gtggcaatcc ctgacgcacc 60
gccgtgatgc ccagggaaga cagggcgacc tggaagtcca actacttcct taagatcatc 120
caactattgg atgattatcc gaaatgtttc attgtgggag cagacaatgt gggctccaag 180
cagatgcagc agatccgcat gtcccttcgc gggaaggctg tggtgctgat gggcaagaac 240
accatgatgc gcaaggccat ccgagggcac ctggaaaaca acccagctct ggagaaactg 300
ctgcctcata tccgggggaa tgtgggcttt gtgttcacca aggaggacct cactgagatc 360
agggacatgt tgctggccaa taaggtgcca gctgct                           396
```

<210> 15
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 333
<223> n = A,T,C or G

<400> 15
accgcgcggg cacagggtgc cgctgaccga ggcgtgcaaa gactccagaa ttggaggcat 60
gatgaagact ctgctgctgt ttgtggggct gctgctgacc tgggagagtg ggcaggtcct 120
gggggaccag acggtctcag acaatgagct ccaggaaatg tccaatcagg gaagtaagta 180
cgtcaataag gaaattcaaa atgcttgtca acggggtgaa acagataaag actctcatag 240
aaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga 300
aagaggatgc cctaaatgag accagggaat canagacaaa gctgaaggag ctcccaggag 360
tgtgcaatga gaccatgatg gccctctggg aagagt 396

<210> 16
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 114, 121, 122, 123, 127, 134, 136, 138, 140, 141, 142, 143,
144, 148, 163, 166, 172, 173, 174, 176, 177, 183, 184, 185,
187, 195, 196, 198, 199, 202, 203, 206, 213, 214, 215, 216,
217, 218, 219, 223, 225, 226, 227, 229, 230, 236, 238
<223> n = A,T,C or G

<221> misc_feature
<222> 239, 252, 256, 257, 261, 262, 268, 269, 273, 278, 280, 288,
289, 290, 292, 293, 303, 312, 325, 327, 333, 335, 336, 341,
342, 347, 354, 359, 365, 371, 383, 384, 386, 388, 391
<223> n = A,T,C or G

<400> 16
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttngggggg 120
nnnaaanttt tttntnanan nnnngggnaa aaaaaaaaaa aanaangggg gnnntnnggc 180
ccnnnanaaa aaaanngnna annaancccc ccnnnnnnnc ccncnnntnn ggaaananna 240
aaaccccccc cngggnnggg nnaaaaannc ccnggggnan tttttatnnn anncccccccc 300
ccnggggggg gnggaaaaaa aaaantnccc ccnannaaaa nnggggnccc cccnttttnc 360
aaaangggggg nccgggcccc ccnnantntt nggggg 396

<210> 17
<211> 396
<212> DNA
<213> Homo sapiens

<400> 17
accacactaa ccatatacca atgatggcgc gatgtaacac gagaaagcac ataccaaggc 60
caccacacac cacctgtcca aaaaggcctt cgatacggga taatcctatt tattacctca 120
gaagtttttt tcttcgcagg atttttctga gccttttacc actccagcct agcccctacc 180
ccccaactag gagggcactg gcccccaaca ggcatcaccc cgctaaatcc cctagaagtc 240
ccactcctaa acacatccgt attactcgca tcaggagtat caatcacctg agctcaccat 300

agtctaatag aaaacaaccg aaaccaaata attcaagcac tgcttattac aattttactg 360
ggtctctatt ttaccctcct acaagcctca gagtac 396

<210> 18
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 51, 54, 66, 81, 86, 98, 106, 111, 117, 124, 129, 133, 135,
150, 151, 154, 159, 161, 172, 179, 181, 183, 185, 220, 223,
229, 238, 258, 259, 264, 282, 289, 292, 294, 299, 303, 311,
315, 329, 343, 349, 351, 353, 361, 369, 370, 389, 392
<223> n = A,T,C or G

<221> misc_feature
<222> 396
<223> n = A,T,C or G

<400> 18
ttttttttttt ttttttttttt ttttttttttt ttttttttttt ttttttttta ntcnaaaggg 60
gaaggnccct ttttattaaa nttggncatt ttacttttnct tttttnaaaa ngctaanaaa 120
aaanttttnt ttntncttaa aaaaaccctn natntcacna ncaaaaaaaa cnattcccnc 180
ntncnttttg tgataaaaaa aaaggcaatg gaattcaacn tancctaana aaactttncc 240
tgggaggaaa aaaaattnnt ccgngggaaa cacttggggc tntccaaant gnanccatnc 300
tangaggacc ntctntaaga tttccaaang aaaccccttc ctnccaaang nantaccccg 360
ntgcctacnn cccataaaaa aaacctcanc cntaan 396

<210> 19
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 47, 69, 75, 80, 83, 87, 88, 90, 92, 102, 104, 108, 116, 121,
130, 138, 139, 142, 153, 156, 158, 162, 165, 166, 180, 192,
193, 195, 201, 224, 226, 232, 235, 237, 241, 248, 251, 253,
256, 269, 272, 274, 277, 284, 287, 290, 292, 297
<223> n = A,T,C or G

<221> misc_feature
<222> 299, 305, 306, 315, 323, 324, 326, 332, 351, 368, 377, 380,
383, 387, 392
<223> n = A,T,C or G

<400> 19
ttttttttttt ttttttttttt ttttttttttt ttttttttttt tttttntggg tctgggcttt 60
tattttacna aaaanctaan ggnaaannnn cnttaaacta antngaanac aaagtnttaa 120
ngaaaaaggn ctgggggnnt cntttacaaa aanggncngg gncannnttg ggcttaaaan 180
ttcaaaaagg gnncntcaaa ngggtttgca tttgcatgtt tcancnctaa ancgnangaa 240
naaacccngg ngnccnctgg gaaaagttnt tnanctncca aaanatnaan tntttgnanc 300
agggnnttttt tgggnaaaaa aannanttcc anaaactttc catcccctgg ntttgggttc 360

ggccttgngt tttcggnatn atntccntta angggg 396

<210> 20
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 43, 49, 53, 55, 75, 81, 100, 110, 111, 125, 129, 160,
162, 168, 246, 277
<223> n = A,T,C or G

<400> 20
ttttttttttt ttttttttttt ttttttctna acaaaccctg ttnttgggng ggngngggta 60
taatactaag ttganatgat ntcatttacg ggggaaggcn ctttgtgaan naggccttat 120
ttctnttgnc ctttcgtaca gggaggaatt tgaagtaaan anaaaccnac ctggattact 180
ccggtctgaa ctcaaatcac gtaggacttt aatcgttgaa caaacaaacc tttaatagcg 240
gctgcnccat tgggatgtcc tgatccaaca tcgaggncgt aaaccctatt gttgatatgg 300
actctaaaaa taggattgcg ctgttatccc tagggtaact tgttcccgtg gtcaaagtta 360
ttggatcaat tgagtataag tagttcgctt tgactg 396

<210> 21
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 6, 9, 18, 23, 37, 43, 48, 55, 65, 73, 75, 103, 110, 117,
123, 125, 134, 153, 182, 195, 202, 205, 213, 216, 223, 239,
249, 276, 293, 294, 302, 307, 344, 356, 359, 369, 374, 381,
392
<223> n = A,T,C or G

<400> 21
acatanatnt tatactanca ttnaccatct cacttgnagg aanactanta tatcnctcac 60
acctnatatc ctncntacta tgcctagaag gaataatact atngctgttn attatancta 120
ctntnataac cctnaacacc cactccctct tanccaatat tgtgcctatt gccatactag 180
tntttgccgc ctgcnaagca gnggngggcc tanccntact agnctcaatc tccaacacnt 240
atggcctana ctacgtacat aacctaaacc tactcnaatg ctaaaactaa tcnncccaac 300
anttatntta ctaccactga catgactttc caaaaaacac atantttgaa tcaacncanc 360
cacccacanc ctanttatta ncatcatccc cntact 396

<210> 22
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 17, 244
<223> n = A,T,C or G

<400> 22
ttttttttttt ttttganaaa agccggcata aagcactttt attgcaataa taaaacttga 60
gactcataaa tggtgctggg ggaagggtgc agcaacgatt tctcaccaaa tcactacaca 120
ggacagcaaa ggggtgagaa ggggctgagg gaggaaaagc caggaaactg agatcagcag 180
agggagccaa gcatcaaaaa acaggagatg ctgaagctgc gatgaccagc atcattttct 240
taanagaaca ttcaaggatt tgtcatgatg gctgggcttt cactgggtgt taagtctaca 300
aacagcacct tcaattgaaa ctgtcaatta aagttcttaa gatttaggaa gtggtggagc 360
ttggaaagtt atgagattac aaaattcctg aaagtc 396

<210> 23
<211> 396
<212> DNA
<213> Homo sapiens

<400> 23
acaaaggcgg ttccaagcta aggaattcca tcagtgcttt tttcgcagcc accaaattta 60
gcaggcctgt gaggttttca tatcctgaag agatgtattt taaagctttt ttttttaat 120
gaaaaaatgt cagacacaca caaaagtaga atagtaccat ggagtcccca cgtacccagc 180
ctgcagcttc aacagttacc acatttgcca accggagaga ctgccaaggc aggaaaaagc 240
cctggaaagc ccacggcccc tttttccctt gggtcagagg ccttagagct ggctgccaaa 300
gcagccaacc aaaggggcag ctcagctcct tcgtggcacc agcagtgttc ctgatgcagt 360
tgaagagttg atgtctttga caacatacgg acactg 396

<210> 24
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 313, 337, 340, 350, 351, 352, 353, 354, 355, 356, 366, 376,
377, 378, 382, 384, 385, 387, 389, 390, 392, 393, 396
<223> n = A,T,C or G

<400> 24
cgactatcct ctcagattct tatctggcac taatttataa ctattatatt atcagagact 60
atgtagcaat atatcagtgc acaggcgcat cccaggcctg tacagatgta tgtctacacg 120
taagtataaa tgaatttgca taccaggttt tacacttgca tctctaatag agattaaaaa 180
caacaaattg gcctcttcct aagtatatta atatcattta tccttacatt ttatgcctcc 240
ccctaaatta atgactgagt tggtggaaag cggctaggtt ttattcatac tgtttttttgt 300
tctcaacttc aanagtaatc tacctctgaa aaatttntan tttaatattn nnnnnnagga 360
atttgngcca ctttannnct tncnntntnn tnnccn 396

<210> 25
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 90, 125, 136, 278, 299, 301, 305, 344, 347, 353, 355, 356,
357, 359, 360, 361, 365, 369, 378, 380, 381, 382, 383, 384,
385, 386, 391, 392, 393, 395, 396
<223> n = A,T,C or G

<400> 25
ttttttttttt ttttttttttt gtcttttaaa aaatataaaa gtgttattat tttaaaacat 60
caagcattac agactgtaaa atcaattaan aactttctgt atatgaggac aaaaatacat 120
ttaanacata tacaanaaga tgctttttcc tgagtagaat gcaaactttt atattaagct 180
tctttgaatt ttcaaaatgt aaaataccaa ggctttttca catcagacaa aaatcaggaa 240
tgttcacctt cacatccaaa aagaaaaaaa aaaaaaancc aattttcaag ttgaagttna 300
ncaanaatga tgtaaaatct gaaaaaagtg gccaaaattt taanttncaa canannngnn 360
ncagntttna tggatctntn nnnnnnncttc nnntnn 396

<210> 26
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 313, 314, 316, 318, 321, 343, 344, 352, 353, 356, 363, 366,
370, 372, 373, 374, 375, 377, 378, 379, 383, 384, 385, 386,
387, 391, 393, 394, 395, 396
<223> n = A,T,C or G

<400> 26
gacgctcccc cctccccccg agcgccgctc cggctgcacc gcgctcgctc cgagtttcag 60
gctcgtgcta agctagcgcc gtcgtcgtct cccttcagtc gccatcatga ttatctaccg 120
ggacctcatc agccacgatg agatgttctc cgacatctac aagatccggg agatcgcgga 180
cgggttgtgc ctggaggtgg aggggaagat ggtcagtagg acagaaggta acattgatga 240
ctcgctcatt ggtggaaatg cctccgctga aggccccgag ggcgaaggta cccgaaagca 300
cagtaatcac tgnngncnat nttgtcatga accatcacct gcnngaaaca annttnacaa 360
aanaancctn cnnnnannnc ctnnnnnatt ncnnnn 396

<210> 27
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 49, 61, 66, 73, 75, 99, 102, 103, 105, 107, 120, 124, 126,
129, 138, 139, 141, 147, 155, 157, 162, 165, 175, 187, 191,
193, 198, 207, 217, 218, 220, 221, 223, 226, 231, 232, 245,
257, 259, 260, 263, 266, 271, 287, 305, 306, 307, 308
<223> n = A,T,C or G

<221> misc_feature
<222> 321, 330, 332, 335, 342, 343, 344, 345, 349, 350, 351, 352,
354, 355, 356, 357, 365, 366, 367, 370, 371, 372, 373, 374,
375, 376, 377, 378, 379, 380, 381, 382, 383, 386, 387, 388,
389, 391, 392, 393, 394, 395, 396
<223> n = A,T,C or G

<400> 27
ttttttttttt ttttttttttt ttttttttttt ttttttttttt tggctaaant ttatgtatac 60
nggttnttca aangnggggg agggggggggg gcatccatnt anncncncca ggtttatggn 120

gggntnttnt actattanna nttttcnctt caaancnaag gnttntcaaa tcatnaaaat 180
tattaanatt ncngctgnta aaaaaangaa tgaaccnncn nanganagga nntttcatgg 240
ggggnatgca tcggggnann ccnaanaacc ncggggccat tcccganagg cccaaaaaat 300
gtttnnnnaa aaagggtaaa nttacccccn tnaantttat annnnaaann nnannnnagc 360
ccaannnttn nnnnnnnnnn nnnccnnnna nnnnnn 396

<210> 28
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 278, 283, 298, 309, 326, 331, 338, 351, 355, 356, 357, 358,
360, 371, 377, 378, 383, 386, 387, 391, 393, 394, 395
<223> n = A,T,C or G

<400> 28
cgacctttttt ttttttttttt atagatgaaa gagggtttat ttattaatat atgatagcct 60
tggctcaaaa aagacaaatg agggctcaaa aaggaattac agtaacttta aaaaatatat 120
taaacatatc caagatccta aatatattat tctccccaaa agctagctgc ttccaaactt 180
gatttgatat tttgcatgtt ttccctacgt tgcttggtaa atatatttgc ttctcctttc 240
tgcaatcgac gtctgacagc tgatttttgc tgttttgnca acntgacgtt tcaccttntg 300
tttcaccant tctggaggaa ttgttnaaca ncttacanca ctgccttgaa naaannnnan 360
gcctcaaaag ntcttgnnct atnctnnttc ntnnnt 396

<210> 29
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 329, 334, 361, 386, 390
<223> n = A,T,C or G

<400> 29
gacttgctca tttagagttt gcaggaggct ccatactagg ttcagtctga aagaaatctc 60
ctaatggtgc tatagagagg gaggtaacag aaagactctt ttagggcatt tttctgactc 120
atgaaaagag cacagaaaag gatgtttggc aatttgtctt ttaagtctta accttgctaa 180
tgtgaatact gggaaagtga tttttttctc actcgttttt gttgctccat tgtaaagggc 240
ggaggtcagt cttagtggcc ttgagagttg cttttggcat ttaaatattc taagagaatt 300
aactgtattt cctgtcacct attcactant gcangaaata tacttgctcc aaataagtca 360
ntatgagaag tcactgtcaa tgaaanttgn tttgtt 396

<210> 30
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 83, 126, 138, 254, 275, 298, 310, 311, 353, 363, 374,
379, 393

<223> n = A,T,C or G

<400> 30
ttttttttttt ttttttttttg aaatttanaa acaaatttta tttaagatct gaaatacaat 60
tcctaaaata tcaacttttc canaaaaccg tggctacaca ataatgcatt gcctctatca 120
tgttanaacg tgcattanac tcaaatacaa aaaccatgaa acaaatcacc atccttcaac 180
aatttgagca aagatagaat gcctaagaac aacatagatg gacttgcaga ggatgggctg 240
ttttacttca agcnccataa aaaaaaaaaa gagcncaaat gcattgggtt ttcaggtnta 300
tacattaagn ngaacctttg gcactaggaa tcagggcgtt ttgtcacata gcnttaacac 360
atnttaaaaa attntgtant gtcaaaggga tangaa 396

<210> 31
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 285, 287, 350, 362, 365, 377, 378, 382, 388, 390, 393
<223> n = A,T,C or G

<400> 31
gacgggccag ggccatctgg aaagggaact cggcttttcc agaacgtggt ggatcatctg 60
tcgggtgtgt ggtgaacacg ttcagttcat cagggcctac gctccgggaa ggggccccca 120
gctgtggctc tgccatgccg ggctgtgttt gcagctgtcc gagtctccat ccgcctttag 180
aaaaccagcc acttcttttc ataagcactg acagggccca gcccacagcc acaggtgcga 240
tcagtgcctc acgcaggcaa atgcactgaa acccaggggc acacncncgc agagtgaaca 300
gtgagttccc ccgacagccc acgacagcca ggactgccct ccccaccccn ccccgacccc 360
angancacgg cacacanntc ancctctnan ctngct 396

<210> 32
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 341
<223> n = A,T,C or G

<400> 32
cgactggcct cataccttgt ctacacagtc cctgcacagg gttcctaacc tgtggttagt 60
aaagaatgtc actttctaac aggtctggaa gctccgagtt tatcttggga actcaagagg 120
agaggatcac ccagttcaca ggtatttgag gatacaaacc cattgctggg ctcggcttta 180
aaagtcttat ctgaaattcc ttgtgaaaca gagtttcatc aaagccaatc caaaaggcct 240
atgtaaaaat aaccattctt gctgcacttt atgcaaataa tcaggccaaa tataagacta 300
cagtttattt acaatttgtt tttaccaaaa atgaggacta nagagaaaaa tggtgctcca 360
aagcttatca tacatttgtc attaagtcct agtctc 396

<210> 33
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 121, 122, 124, 125, 126, 128, 130, 131, 132, 133, 134, 136,
137, 153, 154, 155, 156, 157, 158, 159, 168, 169, 170, 171,
172, 173, 174, 175, 176, 177, 178, 179, 184, 185, 192, 197,
199, 200, 202, 204, 205, 208, 209, 210, 211, 214, 215
<223> n = A,T,C or G

<221> misc_feature
<222> 216, 217, 218, 222, 227, 228, 229, 233, 234, 241, 242, 244,
245, 246, 247, 248, 249, 252, 260, 261, 262, 263, 264, 265,
270, 272, 273, 274, 275, 279, 282, 284, 288, 290, 291, 292,
293, 294, 299, 300, 301, 302, 303, 306, 313, 314, 319
<223> n = A,T,C or G

<221> misc_feature
<222> 327, 328, 330, 331, 332, 333, 334, 335, 343, 349, 350, 351,
352, 355, 360, 369, 370, 371, 375, 379, 387, 388, 390, 391,
392, 393, 394, 395, 396
<223> n = A,T,C or G

<400> 33
ccttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 60
ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 120
nngnnntntn nnnnannaaa aaaaaaaaaa aannnnnnna aaaaaaannn nnnnnnnnnt 180
tttnnggggg gnttttnann gnannttnnn nttnnnnnaa ancccennng ggnnggggg 240
nntnnnnnng gnaaaaaaan nnnnnggggn cnnnnggggnc cncncccnan nnnnaaaann 300
nnnggnttttt ttnnttttna aaaaaanngn nnnnnaacaa aantttttnn nnaantttn 360
gggggaaann ncccntttnt ttttttnnan nnnnnn 396

<210> 34
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 60, 72, 123, 128, 155, 172, 198, 207, 246, 305, 325, 348,
349, 369, 371, 380, 393, 394
<223> n = A,T,C or G

<400> 34
acggaccnag ctggaggagc tgggtgtggg gtgcgttggg ctggtgggga ggcctagttn 60
gggtgcaagt angtctgatt gagcttgtgt tgtgctgaag ggacagccct gggtctaggg 120
ganagagncc ctgagtgtga gacccacctt ccccngtccc agcccctccc anttccccca 180
gggacggcca cttcctgntc cccgacncaa ccatggctga agaacaaccg caggtcgaat 240
tgttcntgaa ggctggcagt gatggggcca agattgggaa ctgcccattc tcccacagac 300
tgttnatggt actgtggctc aaggnagtca ccttcaatgt taccaccnnt gacaccaaaa 360
ggcggaccna nacagtgcan aagctgtgcc canngg 396

<210> 35
<211> 396
<212> DNA
<213> Homo sapiens

<400> 35
tcgaccaaaa tcaaatctgg cactcacaag ccctggccga cccccaatgg gttttaccac 60
tccccctcta gaccctgtct tgcaaaatcc tctccctagc cagctagtat tttctgggct 120
aaagactgta caaccagttc ctccatttta tagaagttta ctcactccag gggaaatggt 180
gagtcctcca acctcccttt caaccagtcc catcattcca accagtggta ccatagagca 240
gcaccccccg ccaccctctg agccagtagt gccagcagtg atgatggcca cccatgagcc 300
cagtgctgac ctggcaccca agaaaaagcc caggaagtca agcatgcctg tgaagattga 360
gaaggaaatt attgataccg ccgatgagtt tgatga 396

<210> 36
<211> 396
<212> DNA
<213> Homo sapiens

<400> 36
tcgacgggaa gagcctgcta cggtggactg tgagactcag tgcactgtcc tcctcccagc 60
gaccccacgc tggacccccc gccggaccct ccacccttcg gcccccaagc ttcccagggg 120
cttcctttgg actggactgt ccctgctcat ccattctcct gccacccccа gacctcctca 180
gctccaggtt gccacctcct ctcgccagag tgatgaggtc ccggcttctg ctctccgtgg 240
cccatctgcc cacaattcgg gagaccacgg aggagatgct gcttgggggt cctggacagg 300
agcccccacc ctctcctagc ctggatgact acgtgaggtc tatatctcga ctggcacagc 360
ccacctctgt gctggacaag gccacggccc agggcc 396

<210> 37
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 376
<223> n = A,T,C or G

<400> 37
cgacggtgtc agcaactggc catgccacag cacataaaga ttacagtgac aagaaaaaca 60
ttgtttgagg attcctttca acagataatg agcttcagtc cccaagatct gcgaagacgt 120
ttgtgggtga tttttccagg agaagaaggt ttagattatg gaggtgtagc aagagaatgg 180
ttctttcttt tgtcacatga agtgttgaac ccaatgtatt gcctgtttga atatgcaggg 240
aaggataact actgcttgca gataaacccc gcttcttaca tcaatccaga tcacctgaaa 300
tattttcgtt ttattggcag atttattgcc atggctctgt tccatgggaa aattcataga 360
cacgggtttt tctttnccat tctataagcg tatctt 396

<210> 38
<211> 396
<212> DNA
<213> Homo sapiens

<400> 38
cgaccaaaat gataaatagc tttaagaatg tgctaatgat aaatgattac atgtcaattt 60
aatgtactta atgtttaata ccttatttga ataattacct gaagaatata ttttttagta 120
ctgcatttca ttgattctaa gttgcacttt ttacccccat actgttaaca tatctgaaat 180
cagaatgtgt cttacaatca gtgatcgttt aacattgtga caaagtttaa tggacagttt 240
tttcccatat gtatatataa aataatgtgt tttacaatca gtggcttaga ttcagtgaaa 300

tacagtaatt cattcaatta tgatagtatc tttacagaca ttttaaaaat aagttatttt 360
tatatgctaa tattctatgt tcaagtggaa tttgga 396

<210> 39
<211> 396
<212> DNA
<213> Homo sapiens

<400> 39
tcgaccaaga atagatgctg actgtactcc tcccaggcgc cccttccccc tccaatccca 60
ccaaccctca gagccacccc taaagagata ctttgatatt ttcaacgcag ccctgctttg 120
ggctgccctg gtgctgccac acttcaggct cttctccttt cacaaccttc tgtggctcac 180
agaaccctg gagccaatgg agactgtctc aagagggcac tggtggcccg acagcctggc 240
acagggcaag tgggacaggg catggccagg tggccactcc agacccctgg cttttcactg 300
ctggctgcct tagaaccttt cttacattag cagtttgctt tgtatgcact ttgttttttt 360
ctttgggtct tgttttttt ttccacttag aaattg 396

<210> 40
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 200, 375
<223> n = A,T,C or G

<400> 40
ttttttttt ttttgttatt tagtttttat ttcataatca taaacttaac tctgcaatcc 60
agctaggcat gggagggaac aaggaaaaca tggaacccaa agggaactgc agcgagagca 120
caaagattct aggatactgc gagcaaatgg ggtggagggg tgctctcctg agctacagaa 180
ggaatgatct ggtggttaan ataaaacaca agtcaaactt attcgagttg tccacagtca 240
gcaatggtga tcttcttgct ggtcttgcca ttcctggacc caaagcgctc catggcctcc 300
acaatattca tgccttcttt cactttgcca aacaccacat gcttgccatc caaccactca 360
gtcttggcag tgcanatgaa aaactgggaa ccattt 396

<210> 41
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 288
<223> n = A,T,C or G

<400> 41
tcgacctctt gtgtagtcac ttctgattct gacaatcaat caatcaatgg cctagagcac 60
tgactgttaa cacaaacgtc actagcaaag tagcaacagc tttaagtcta aatacaaagc 120
tgttctgtgt gagaattttt taaaaggcta cttgtataat aacccttgtc atttttaatg 180
tacaaaacgc tattaagtgg cttagaattt gaacatttgt ggtctttatt tactttgctt 240
cgtgtgtggg caaagcaaca tcttccctaa atatatatta cccaaagnaa aagcaagaag 300
ccagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat 360
ggtgagaggc aaggcatgag agggcaagtt tgttgt 396

<210> 42
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 65, 68, 69, 71, 72, 75, 77, 79, 82, 85, 86, 87, 89, 90, 97,
98, 105, 107, 109, 112, 117, 121, 122, 124, 126, 149, 152,
153, 155, 157, 161, 163, 167, 168, 169, 174, 177, 178, 179,
180, 186, 188, 192, 201, 202, 207, 208, 215, 217, 220
<223> n = A,T,C or G

<221> misc_feature
<222> 225, 230, 242, 243, 247, 250, 259, 263, 271, 272, 279, 284,
295, 298, 299, 308, 309, 312, 323, 342, 348, 351, 363, 366,
370, 386, 390, 392
<223> n = A,T,C or G

<400> 42
cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
aaaanccnna nnaananang gnaannnann aaaaaannca aaccncntnt anaaaangcc 120
nntntnaggg gggggttca aaaccaaang gnngntngga ngnaaannna aaanttnnnn 180
gggggnanaa anaaaaaggg nngaaannntg acccnanaan gaccngaaan cccgggaaac 240
cnngggntan aaaaaaagnt gancctaaa nnccccccgna aaangggggga agggnaannc 300
caaatccnnt gnggggttggg ggnggggaaa aaaaaaaccc cnaaaaantg naaaaaaccg 360
ggnttnaaan atttgggttc gggggntttn tnttaa 396

<210> 43
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 108, 195, 213, 279, 287, 349
<223> n = A,T,C or G

<400> 43
ttttttttttt ttttgcttca ctgctttatt tttgaaatca caagcaattc aaagtgatca 60
tcattgaggc ttctgttaaa agttcttcca aagttgccca gttttaanat taaacaatat 120
tgcactttaa gatgaactaa cttttgggat tctcttcaaa gaaggaaagt attgctccat 180
ctgtgctttt cttanactaa aagcatactg canaaaactc tattttaaaa atcaacactg 240
cagggtacag taacatagta aagtacctgc ctattttana atcctanaga acatttcatt 300
gtaagaaact agcccattat ttaagtgtcc acagtatttt tcatttcant ggtccaagat 360
gccaaggttt ccaaacacaa tcttgttctc taatac 396

<210> 44
<211> 396
<212> DNA
<213> Homo sapiens

<400> 44

gacctagttt tacctcttaa atatctctgt tcccttctaa gttgtttgct gtgttttctt 60
cagagcaaga aggttatatt ttttaaaatt tacttagtaa tgcacattca aaacacacat 120
caagtcttca ggataaagtt caaaaccgct gtcatggccc catgtgatct ctccctcccc 180
taccccctcta tcatttagtt tcttctgcgc aagccactct ggcttccttt cagttttgtg 240
gttcccgttt ttagctagtt cagtggtttt caatgggcat ttcttgcctt ttttttttcta 300
aacgacaaat agaaatacat cttctttatt atcctccaaa tccaattcag aggtaatatg 360
ctccacctac acacaatttt agaaataaat taaaaa 396

<210> 45
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 19, 22, 39, 40, 43, 62, 84, 90, 99, 103, 104, 105, 117,
120, 123, 128, 134, 139, 141, 142, 143, 144, 145, 182, 187,
207, 218, 219, 242, 247, 257, 260, 263, 272, 276, 277, 279,
284, 288, 294, 296, 297, 305, 310, 314, 319, 320, 322
<223> n = A,T,C or G

<221> misc_feature
<222> 364, 366, 376, 378, 381, 387, 388, 396
<223> n = A,T,C or G

<400> 45
ttttttttttt ttttaaannt tntaaatttt taatgaaann ganttagaac aatgtattat 60
tnacatgtaa ataaaaaaag agancataan ccccatatnc tcnnnaaagg aaggganacn 120
gcnggccntt tatnagaana nnnnncatat aagaccccat taagaagaat ctggatctaa 180
anacttncaa acaggagttc acagtangtg aacagcannc cctaatccca ctgatgtgat 240
gnttcanata aaatcancan cgntgatcgg gnatcnnanc aatntgancg gaanannact 300
gctcnatatn tttnaggann cngatgtggt catttttttac aaagataatg gccacaccct 360
tccngnccga atcgancnga nctcccnntt ctgtgn 396

<210> 46
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 24, 105, 144, 188, 190, 214, 317, 369, 371, 378
<223> n = A,T,C or G

<400> 46
ttttttttttt ttttttttttc tganacagag tctcattctg ttgcctaggc tggattgcag 60
tggtgccatc tcggctcact gcaacctccg cctcctgggt tccanaaatt ctcctgcctc 120
agcctcccgg gtagctggga ctanaggcac acgccaccac gccaggctaa tttttatatt 180
tttagtanan atggcgtttc accatgttga ccanactgat ctcgaactcc cgacctcgtg 240
atccacccac ctcggcctcc caaagtgctg ggattacagg cgtgaaacca ccaggcccgg 300
cctgaaatat ctatttnttt tcagattatt tttaaaattc catttgatga atcttttaaa 360
gtgagctana naaagtgngt gtgtacatgc acacac 396

<210> 47

<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 290
<223> n = A,T,C or G

<400> 47
ttttttttttt ttttttttgct gttgccaact gtttattcag ggccctgaac gggtggtgcg 60
tggacatgca acacactcgg gcccacagca gcgtgaccgg ccgctcccaa gccccgggcg 120
cacaaccaca gccaggagca gcccctgcca ccactgggcc accgtccagg gccccacagg 180
accagccgaa ggtgccccgg gccgaggcca gctgggtcag gtgtaccccct agcctggggt 240
tgagtgagga gcggcacccc cagtatcctg tgtaccccaa gttgcccagn aggccgaggg 300
ggccttgggc tccatctgca ctggccaccc cgtgccaagc atcacagctg cgtgagcagg 360
tttgtgtgtg agcgtgtggc ggggcctggt tgtccc 396

<210> 48
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 393, 396
<223> n = A,T,C or G

<400> 48
ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60
ccctcaagca aatgcaaaga tgctcaacac ccttagtcat caagaaaatg caaatggaat 120
ccacagagag atactgcaca ctgacaaaga tggtcgtatt actaaaggtg aataaccagc 180
gcgggggca cgtggagtca ctggaacatt tgtgcaatgc tggtgggaat gtcaacccgt 240
gcggcctct ggaataagcc tggcagctcc tccaagagtt acccgtgtga cccagcaatt 300
ccactcctag ctccacccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360
aaagttcacg gcagcatcct tcgccatagt ggnaan 396

<210> 49
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 32, 40, 44, 64, 70, 83, 87, 92, 104, 115, 118, 125, 127,
130, 137, 155, 168, 171, 173, 175, 192, 201, 206, 208, 218,
219, 235, 247, 249, 256, 259, 260, 269, 297, 306, 310, 320,
321, 328, 331, 345, 356, 381, 389, 395
<223> n = A,T,C or G

<400> 49
accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60
cggncaagtn caccactact ggncatntga tntataaatg cggnggcatc gacanaanaa 120
ccatngnaan atttganaag gaggctgctg atatnggaaa gggctccntc nantntgcct 180

gggtcttgga tnaactgaaa nctgancntg aacgtggnnt caccattgat atctncttgt 240
ggaaatntna gaccancann tactatgtna ctatcattga tgccccagga cacaganact 300
ttatcnaaan catgattacn nggacatnta nagctgactg tgctngcctg attgtngctg 360
ctggtgttgg tgaatttgaa nctggtatnt ccaana 396

<210> 50
<211> 396
<212> DNA
<213> Homo sapiens

<400> 50
cgacttcttg ctggtgggtg gggcagtttg gtttagtgtt atactttggt ctaagtattt 60
gagttaaact gctttttgc taatgagtgg gctggttgtt agcaggtttg tttttcctgc 120
tgttgattgt tactagtggc attaactttt agaatttggg ctggtgagat taatttttt 180
taatatccca gctagagata tggcctttaa ctgacctaaa gaggtgtgtt gtgatttaat 240
tttttcccgt tccttttttct tcagtaaacc caacaatagt ctaaccttaa aaattgagtt 300
gatgtcctta taggtcacta cccctaaata aacctgaagc aggtgttttc tcttggacat 360
actaaaaaat acctaaaagg aagcttagat gggctg 396

<210> 51
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 52, 59, 148, 267, 321, 332
<223> n = A,T,C or G

<400> 51
ttttttttttt ttcagcgngg atttatttta tttcattttt tactctcaag anaaagaana 60
gttactattg caggaacaga catttttta aaaagcgaaa ctcctgacac ccttaaaaca 120
gaaaacattg ttattcacat aataatgngg ggctctgtct ctgccgacag gggctgggtt 180
cgggcattag ctgtgccgtc gacaatagcc ccattcaccc cattcataaa tgctgctgct 240
acaggaaggg aacagcggct ctcccanaga gggatccacc ctggaacacg agtcacctcc 300
aaagagctgc gactgtttga naatctgcca anaggaaaac cactcaatgg gacctggata 360
acccaggccc gggagtcata gcaggatgtg gtactt 396

<210> 52
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 81, 189
<223> n = A,T,C or G

<400> 52
acctcgctaa gtgttcgcta cgcggggcta ccggatcggt cggaaatggc agaggtggag 60
gagacactga agcgactgca nagccagaag ggagtgcagg gaatcatcgt cgtgaacaca 120
gaaggcattc ccatcaagag caccatggac aaccccacca ccacccagta tgccagcctc 180
atgcacagnt tcatcctgaa ggcacggagc accgtgcgtg acatcgaccc ccagaacgat 240
ctcaccttcc ttcgaattcg ctccaagaaa aatgaaatta tggttgcacc agataaagac 300

tatttcctga ttgtgattca gaatccaacc gaataagcca ctctcttggc tccctgtgtc 360
attccttaat ttaatgcccc ccaagaatgt taatgt 396

<210> 53
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 224, 225, 228, 235, 240, 246, 257, 266, 274, 279, 281, 282,
283, 285, 287, 288, 290, 291, 292, 293, 294, 295, 296, 297,
300, 301, 303, 307, 311, 313, 314, 317, 318, 319, 320, 321,
323, 324, 328, 329, 330, 336, 337, 338, 339, 340, 341
<223> n = A,T,C or G

<221> misc_feature
<222> 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 356,
357, 358, 359, 362, 363, 364, 365, 366, 367, 373, 380, 381,
382, 385, 387, 388, 389, 390, 392
<223> n = A,T,C or G

<400> 53
ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 60
ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 120
ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 180
ttttttttt ttttttttt ttttttttt ttttttttt ttannttntt ttttnttttn 240
cctttntttt aattcanaaa aagaanaaga aaanataana nnnancnnan nnnnnnnatn 300
ntncttnata ntnnttnnnn nanngggnnn gcgagnnnnn nnnnnnnnnn nntctnnnnt 360
tnnnnnnctt gcncccccttn nnttngnnnn angcaa 396

<210> 54
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 367
<223> n = A,T,C or G

<400> 54
ctcttggggc tgctgggact cgcgtcggtt ggcgactccc ggacgtaggt agtttgttgg 60
gccgggttct gaggccttgc ttctctttac ttttccactc taggccacga tgccgcagta 120
ccagacctgg gaggagttca gccgcgctgc cgagaagctt tacctcgctg accctatgaa 180
ggcacgtgtg gttctcaaat ataggcattc tgatgggaac ttgtgtgtta aagtaacaga 240
tgatttagtt tgtttggtgt ataaaacaga ccaagctcaa gatgtaaaga agattgagaa 300
attccacagt caactaatgc gacttatggt agccaaggaa gcccgcaatg ttaccatgga 360
aactgantga atggtttgaa atgaagactt tgtcgt 396

<210> 55
<211> 396
<212> DNA
<213> Homo sapiens

<400> 55
cgacggtttg ccgccagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60
aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc 120
actactggcc atctgatcta taaatgcggt ggcatcgaca aaagaaccat tgaaaaattt 180
gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt cttggataaa 240
ctgaaagctg agcgtgaacg tggtatcacc attgatatct ccttgtggaa atttgagacc 300
agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360
attacaggga catctcaggc tgactgtgct gtcctg 396

<210> 56
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 134, 145, 255, 279, 337, 344, 369
<223> n = A,T,C or G

<400> 56
ttttttttnt ttttttctca tttaactttt ttaatgggtc tcaaaattct gtgacaaatt 60
tttggtcaag ttgtttccat taaaaagtac tgattttaaa aactaataac ttaaaactgc 120
cacacgcaaa aaanaaaacc aaagnggtcc acaaaacatt ctcctttcct tctgaaggtt 180
ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatg gccaattgaa 240
acaaacagtt ctganaccgt tcttccacca ctgattaana gtggggtggc aggtattagg 300
gataatattc atttagcctt ctgagctttc tgggcanact tggngacctt gccagctcca 360
gcagccttnt tgtccactgc tttgatgaca cccacc 396

<210> 57
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 52, 57, 58, 61, 72, 75, 77, 84, 87, 88, 93, 100, 101, 111,
117, 119, 121, 131, 132, 133, 134, 142, 143, 154, 156, 159,
167, 168, 170, 175, 176, 182, 183, 185, 186, 190, 192, 194,
198, 199, 200, 209, 212, 217, 218, 220, 232, 235, 253
<223> n = A,T,C or G

<221> misc_feature
<222> 255, 257, 258, 260, 262, 263, 270, 271, 273, 277, 280, 281,
284, 285, 289, 296, 297, 298, 303, 305, 307, 309, 310, 317,
322, 324, 337, 338, 342, 344, 346, 347, 349, 351, 356, 358,
366, 368, 371, 377, 380, 388, 389, 393, 396
<223> n = A,T,C or G

<400> 57
ccttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt tnaaaannnt 60
nttttgcaa anccnancaa aaanggnngg aangaaaaan nggaaaaatt nttttnncnt 120
ntttgggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaannngn tgaannaaag 180
gnnannnccn gntncttnnn tttaaaaana anggggnngn tttttttaa anaanatttt 240

```
tttttccct aanancnncn anntgaaacn ngncccnacn nctnncttna aagggnnnaa 300
atnanangnn aaaaaanccc tnancccccc cccttanntt tncnannana naaagncntt 360
ttgggncntg naaaaanaan cctttttnnt gcnttn                           396
```

<210> 58
<211> 396
<212> DNA
<213> Homo sapiens

<400> 58

```
cgacctcaaa tatgccttat tttgcacaaa agactgccaa ggacatgacc agcagctggc 60
tacagcctcg atttatattt ctgtttgtgg tgaactgatt ttttttaaac caaagtttag 120
aaagaggttt ttgaaatgcc tatggtttct ttgaatggta aacttgagca tcttttcact 180
ttccagtagt cagcaaagag cagtttgaat tttcttgtcg cttcctatca aaatattcag 240
agactcgagc acagcaccca gacttcatgc gcccgtggaa tgctcaccac atgttggtcg 300
aagcggccga ccactgactt tgtgacttag gcggctgtgt tgcctatgta gagaacacgc 360
ttcacccccca ctccccgtac agtgcgcaca ggcttt                           396
```

<210> 59
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 25, 45, 116, 178, 198, 211, 225, 235, 253, 266, 281, 324,
367, 377, 389
<223> n = A,T,C or G

<400> 59

```
cttttttttt tttttttttt tcagnggaaa ataactttta ttganacccc accaactgca 60
aaatctgttc ctggcattaa gctccttctt cctttgcaat tcggtctttc ttcagnggtc 120
ccatgaatgc tttcttctcc tccatggtct ggaagcggcc atggccaaac ttggaggngg 180
tgtcaatgaa cttaaggnca atcttctcca nagcccgccg cttcntctgc accancaagg 240
acttgcggag ggngagcacc cgcttnttgg ttcccaccac ncagcctttc agcatgacaa 300
agtcattggt cacttcacca tagnggacaa agccacccaa agggttgatg ctccttggca 360
aataggncat agtcacngga ggcattgtnc ttgatc                           396
```

<210> 60
<211> 396
<212> DNA
<213> Homo sapiens

<400> 60

```
acctcagctc tcggcgcacg gcccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttggagg gtgatcactc tacacccccca agtgcatatg ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatcaagac 180
caaaggtgtg gatgaggtca ccattgtcaa cattttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gaccaaaaag gaacttgcat cagcactgaa 300
gtcagcctta tctggccacc tggagacggt gattttgggc ctattgaaga cacctgctca 360
gtatgacgct tctgagctaa aagcttccat gaaggg                           396
```

<210> 61
<211> 396

<212> DNA
<213> Homo sapiens

<400> 61
tagcttgtcg gggacggtaa ccgggacccg gtgtctgctc ctgtcgcctt cgcctcctaa 60
tccctagcca ctatgcgtga gtgcatctcc atccacgttg gccaggctgg tgtccagatt 120
ggcaatgcct gctgggagct ctactgcctg gaacacggca tccagcccga tggccagatg 180
ccaagtgaca agaccattgg gggaggagat gactccttca acaccttctt cagtgagacg 240
ggcgctggca agcacgtgcc ccgggctgtg tttgtagact tggaacccac agtcattgat 300
gaagttcgca ctggcaccta ccgccagctc ttccaccctg agcagctcat cacaggcaag 360
gaagatgctg ccaataacta tgcccgaggg cactac 396

<210> 62
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261, 269, 313, 333, 346, 354, 359, 390, 394, 395, 396
<223> n = A,T,C or G

<400> 62
tcgacgtttc ctaaagaaaa ccactctttg atcatggctc tctctgccag aattgtgtgc 60
actctgtaac atctttgtgg tagtcctgtt ttcctaataa ctttgttact gtgctgtgaa 120
agattacaga tttgaacatg tagtgtacgt gctgttgagt tgtgaactgg tgggccgtat 180
gtaacagctg accaacgtga agatactggt acttgatagc ctcttaagga aaatttgctt 240
ccaaatttta agctggaaag ncactggant aactttaaaa aagaattaca atacatggct 300
ttttagaatt tcnttacgta tgttaagatt tgngtacaaa ttgaantgtc tgtnctganc 360
ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 3, 11, 16, 18, 23, 26, 30, 34, 37, 50, 51, 60, 61, 62, 63,
64, 75, 82, 83, 84, 85, 87, 89, 93, 94, 97, 98, 99, 118,
119, 120, 122, 134, 136, 138, 139, 141, 144, 145, 147, 152,
156, 187, 188, 193, 195, 204, 211, 214, 216, 222, 226
<223> n = A,T,C or G

<221> misc_feature
<222> 228, 235, 242, 258, 264, 265, 269, 275, 294, 298, 301, 307,
316, 326, 334, 335, 339, 340, 343, 350, 351, 355, 373, 378,
390
<223> n = A,T,C or G

<400> 63
ttntttttttt ntttttntntt ttntcnttgn ttgnacngaa cccggcgctn nttccccacn 60
nnnnacggcc gcccntattc annnntncnt canntannna ccgcaccctc ggactgcnnn 120
tngggccccg ccgncnannc nccnncnccc anttcnccgc cgccgccgcc gccttttttt 180

attggcnncc atnanaaccg gggncacctc ncangngcgc cnaaantngg ggcangactc 240
anaggggccc atcaaccncc aagnncaanc tgganctcta caaacggcct acgntttntg 300
nccatgnggg tagggnttta cccgcnatga tgannatgnn aanaactttn ncaanccctt 360
tattaaccaa tgnggtgngg agacggaacn tggtta 396

<210> 64
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 175, 177, 340, 393
<223> n = A,T,C or G

<400> 64
tcgacgtcgg ggtttcctgc ttcaacagtg cttggacgga acccggcgct cgttccccac 60
cccggccggc cgcccatagc cagccctccg tcacctcttc accgcaccct cggactgccc 120
caaggccccc gccgccgctc cagcgccgcg cagccaccgc cgccgccgcc gcctntnctt 180
agtcgccgcc atgacgaccg cgtccacctc gcaggtgcgc cagaactacc accaggactc 240
agaggccgcc atcaaccgcc agatcaacct ggagctctac gcctcctacg tttacctgtc 300
catgtcttac tactttgacc gcgatgatgt ggctttgaan aactttgcca aatactttct 360
tcccaatctc atgaggagaa ggaacatgct ganaaa 396

<210> 65
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26, 56, 103, 122, 145, 151, 154, 187, 189, 203, 224, 256,
273, 305, 344
<223> n = A,T,C or G

<400> 65
ttttttttnt ttttttttnt tttttnacca ataatgcttt tattttccac atcaanatta 60
atttatatgt tagttttagt acaagtacta aaatgtatac ttnttgccct aatagctaag 120
gnatacataa gcttcaccat acatnttgca nccncctgtc tgtcctatgt cattgttata 180
aatgtanana ttttaggaaa ctnttttatt caacctggga catntatact gtaggagtta 240
gcactgacct gatgtnttat ttaaaagtaa tgnatattac ctttacatat attccttata 300
tattnaaacg tatttccatg ttatccagct taaaatcaca tggnggttaa aagcatgagt 360
tctgagtcaa atctggactg aaatcctgat gctccc 396

<210> 66
<211> 396
<212> DNA
<213> Homo sapiens

<400> 66
tcgacttttt tttttccagg acattgtcat aatttttttat tatgtatcaa attgtcttca 60
atataagtta caacttgatt aaagttgata gacatttgta tctatttaaa gacaaaaaaa 120
ttcttttatg tacaatatct tgtctagagt ctagcaaata tagtaccttt cattgcagga 180
tttctgctta atataacaag caaaaacaaa caactgaaaa aatataaacc aaagcaaacc 240

aaacccccccg ctcaactaca aatgtcaata ttgaatgaag cattaaaaga caaacataaa 300
gtaacttcag cttttatcta gcaatgcaga atgaatacta aaattagtgg caaaaaaaca 360
aacaacaaac aacaaacaaa acaaaacaaa caaaca 396

<210> 67
<211> 396
<212> DNA
<213> Homo sapiens

<400> 67
acgcttttgt ccttcatttt aactgttatg tcatactgtt atgttgacat atttctttat 60
aagagaatag aggcaaaagt atagaactga ggatcatttg tatttttgag ttggaaatta 120
tgaaacttca ccatattatg atcatacata ttttgaagaa cagactgacc aaagctcacc 180
tgtttttttgt gttaggtgct ttggctgaac ttgattccag ccccctttc cctttggtgt 240
tgtgtatgtc tcttcatttc ctctcaaatc ttcaactctt gccccatgtc tccttggcag 300
caggatgctg gcatctgtgt agtcctcata ctgtttactg ataacccaca aattcatttt 360
catggcagac ctaagctcag accctgcctt gtcctg 396

<210> 68
<211> 396
<212> DNA
<213> Homo sapiens

<400> 68
acctgagtcc tgtcctttct ctctccccgg acagcatgag cttcaccact cgctccacct 60
tctccaccaa ctaccggtcc ctgggctctg tccaggcgcc cagctacggc gcccggccgg 120
tcagcagcgc ggccagcgtc tatgcaggcg ctgggggctc tggttcccgg atctccgtgt 180
cccgctccac cagcttcagg ggcggcatgg ggtccggggg cctggccacc gggatagccg 240
ggggtctggc aggaatggga ggcatccaga acgagaagga gaccatgcaa agcctgaacg 300
accgcctggc ctcttacctg gacagagtga ggagcctgga gaccgagaac cggaggctgg 360
agagcaaaat ccgggagcac ttggagaaga agggac 396

<210> 69
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 4, 6, 8, 9, 11, 18, 19, 36, 53, 60, 64, 79, 84, 92, 94,
97, 105, 114, 120, 123, 127, 129, 134, 137, 138, 139, 142,
143, 147, 149, 151, 152, 156, 158, 167, 170, 172, 180, 182,
184, 187, 188, 189, 194, 197, 201, 209, 212, 218, 219
<223> n = A,T,C or G

<221> misc_feature
<222> 220, 222, 223, 225, 228, 229, 230, 232, 233, 236, 242, 244,
247, 250, 251, 253, 256, 257, 259, 261, 270, 271, 274, 277,
278, 279, 282, 284, 288, 289, 296, 298, 300, 310, 315, 316,
320, 321, 324, 328, 330, 331, 334, 336, 340, 347, 350
<223> n = A,T,C or G

<221> misc_feature
<222> 352, 353, 355, 359, 361, 362, 364, 367, 370, 372, 374, 376,

382, 388, 390, 394, 396
<223> n = A,T,C or G

<400> 69
ntcncngnng ntgtggtnnt ttttttaatt tttatntttt ctttttttct ctngctagcn 60
cttnctttct ttggaattnc ggtnccttct tntntcnatt ttttngacaa aaanaacctn 120
ttntttnana ccanagnnng gnncacncnt nnaatntncc ccttttncgn tngggagctn 180
cncnttnnnc gccnacntca ntcgagacng tnctttttnnn tnnancannn tnngtncgtt 240
gncngcnttn ntncannant nttccctatn nacntgnnnt cncncatnnt tggacnancn 300
cctagccttn ccatnntttn nttnttttntn natnancctn gaaaacntcn gnntnttcnc 360
nncnttnccn cncncncctt cntatgtncn atgncn 396

<210> 70
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 38, 57, 59, 63, 64, 65, 66, 68, 78, 79, 84, 87, 90, 97,
114, 115, 127, 128, 141, 143, 145, 151, 159, 168, 169, 172,
173, 176, 178, 197, 198, 207, 209, 211, 215, 220, 221, 223,
225, 228, 240, 248, 249, 260, 262, 263, 273, 283, 287
<223> n = A,T,C or G

<221> misc_feature
<222> 294, 304, 314, 334, 339, 340, 348, 362, 367, 376, 382, 384,
386, 395
<223> n = A,T,C or G

<400> 70
ttttttttct ttttnttttt ttttttttct ttttttntt ttttttttct ttttttntnc 60
aannnntnaa cttttaannng gccnccngcn ccccaanggg gaccctgctt ttgnnggcta 120
aatgccnnaa aactttgggg nantnggtat naaaccccnc tttgcccnnc annttncngg 180
ggggggggggg tttttgnngg ggaacangna naacntttta ncnanggnat caccaaaaan 240
aaagcccnnc cctttttccn annggggggg ggnggggga aantcanccc ccanattgac 300
cttnatttca aaanggggct tataatcctg ggcntggann cttccctnta cccgggggtt 360
gnccacnttt tattanaggg gnangnggat ccccnt 396

<210> 71
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 21, 30, 33, 35, 36, 42, 43, 44, 45, 46, 51, 56, 58, 59,
63, 70, 77, 81, 88, 94, 95, 96, 97, 101, 102, 109, 114,
118, 119, 120, 124, 131, 132, 133, 134, 135, 141, 142, 143,
144, 145, 146, 148, 149, 154, 158, 162, 164, 166, 172
<223> n = A,T,C or G

<221> misc_feature
<222> 177, 179, 181, 184, 185, 213, 216, 218, 219, 222, 223, 224,

230, 231, 240, 241, 242, 245, 247, 251, 252, 255, 258, 259,
261, 264, 268, 269, 272, 276, 285, 288, 289, 291, 292, 293,
297, 299, 300, 307, 312, 315, 316, 317, 325, 329, 334
<223> n = A,T,C or G

<221> misc_feature
<222> 340, 341, 347, 350, 354, 355, 357, 360, 361, 367, 368, 370,
371, 376, 377, 378, 387, 393, 394
<223> n = A,T,C or G

<400> 71
gcatctagag ggccngttta ntctagaggn ccngnntaaa cnnnnncatc nacctncnnt 60
gcncctgctn gttgccnccc ntctgtgnct tgcnnnnccc nngagcgtnc cttnaccnnn 120
gaangtgcct nnnnnactga nnnnnncnna taanatgngg anantncgtc gncattntnt 180
natnnggggt gatgctattc tgggggggtgg ggnggngnna tnnnatactn nggggacgtn 240
nnatnangag nnatntcnng nttntctnnt gntttntggg gggcnatnng nnntctntnn 300
ggactcntcg cncannnatc aatancttna ttcngtgtan ngtccgnccn tagnncngcn 360
ngtactnnan ngttgnnntc attactnttc gtnngg 396

<210> 72
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2, 23, 27, 34, 35, 36, 37, 39, 41, 45, 55, 56, 59, 61, 88,
92, 96, 97, 98, 101, 103, 104, 106, 108, 111, 114, 115,
121, 128, 129, 131, 159, 170, 191, 202, 227, 233, 235, 240,
262, 268, 271, 272, 280, 281, 303, 304, 305, 311, 316, 317
<223> n = A,T,C or G

<221> misc_feature
<222> 321, 324, 336, 344, 345, 353, 360, 362, 363, 364, 365, 366,
370, 373, 389, 391, 392, 394, 395
<223> n = A,T,C or G

<400> 72
tnttttttttt tttctaaaac atnactnttt attnnnnang ntttntgaac ctctnngcnt 60
natggtgaga gtttgtctga ttaataanaa tnggannntt nannanangc ntgnncgcaa 120
ngatggcnnc nctgtatatc ccaccatccc attacactnt gaacctttтn tttgattaat 180
aaaaggaagg natgcgggga anggggaaag agaatgcttg aacattncca tgngnccttn 240
gacaaacttt ccaatggagg cnggaacnaa nnaccaccan ncaactcccc ttttttgtaat 300
ttnnnaactt ncaacnncta nctntttatt ttggcntccc tggnngaaac agnctgtatn 360
annnnnaagn ccntgagaac atccctggnt nncnna 396

<210> 73
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 7, 9, 14, 23, 35, 38, 44, 48, 50, 61, 74, 76, 79, 80,

85, 86, 91, 95, 101, 109, 112, 113, 117, 118, 121, 122,
127, 129, 132, 137, 141, 146, 214, 234, 243, 251, 266, 296,
305, 306, 336
<223> n = A,T,C or G

<400> 73
ntcaacntng actnctgtga ggnatggtgc tgggngcnta tgcngtgngn ttttggatac 60
naccttatgg acantngcnn tcccnnggaa ngatnataat ncttactgna gnnactnnaa 120
nnttccntnt cnaaaangtt naaaancatt ggatgtgcca caatgatgac agtttatttg 180
ctactcttga gtgctataat gatgaagatc ttanccacca ttatcttaac tgangcaccc 240
aanatggtga nttggggaac atatanagta cacctaagtt cacatgaagt tgtttnttcc 300
caggnnctaa agagcaagcc taactcaagc cattgncaca caggtgagac acctctattt 360
tgtacttctc acttttaagg gattagaaaa tagcca 396

<210> 74
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 118
<223> n = A,T,C or G

<400> 74
ccttttttttt ttttttttact gngaatatat acttttttatt tagtcatttt tgtttacaat 60
tgaaactctg ggaattcaaa attaacatcc ttgcccgtga gcttcttata gacaccanaa 120
aaagtttcaa ccttgtgttc cacattgttc tgctgtgctt tgtccaaatg aacctttatg 180
agccggctgc catctagttt gacgcggatt ctcttgccca caatttcgct tgggaagacc 240
aagtcctcaa ggatggcatc gtgcacagct gtcagagtac ggctcctggg acgcttttgc 300
ttatttttttg tacggctttt tcgagttggc ttaggcagaa ttctcctctg agcgataaag 360
acgacatgct tcccactgaa ctttttctcc aattcg 396

<210> 75
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 38, 41, 43, 47, 53, 73, 75, 78, 83, 96, 112, 113, 117,
124, 127, 146, 160, 167, 169, 176, 177, 178, 179, 194, 197,
198, 209, 210, 220, 222, 226, 227, 231, 238, 241, 244, 258,
259, 260, 270, 271, 274, 288, 301, 302, 305, 307, 316
<223> n = A,T,C or G

<221> misc_feature
<222> 319, 328, 339, 344, 347, 354, 359, 364, 367, 369, 370, 371,
373, 374, 381, 384, 387, 388
<223> n = A,T,C or G

<400> 75
ttttttttttt tttnttttttt ttttttttttt ttttttttnaa ntntaanggg ganggcccct 60
ttttttttaaa ctngnccntt ttnctttcct tttttnaaaa ggaaaaaaaa annttttnttt 120

ttcnttnaaa aacccttttt cccacnaaca aaaaaaaccn ttcccccntnc cttttnnnna 180
aaaaaaaggg gctnggnntt tcccccttann caaaaaaccn tntccnnggg naaaaaantt 240
ntcnccgggg gggaaacnnn tgggggtgtn nccnaaattt gggggccntc ggaaggggggg 300
nnccncncct aaagangtnt ttcaaaanaa aaacccccnt cctnttntaa aaanaaaana 360
aaanaangnn ngnnttttttt ntcnttnncc ccccaa 396

<210> 76
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 87, 94, 102, 108, 138, 139, 143, 144, 145, 146, 151, 152,
158, 168, 170, 171, 187, 204, 206, 224, 261, 262, 267, 268,
270, 287, 305, 306, 313, 315, 319, 320, 330, 331, 333, 342,
344, 348, 349, 356, 358, 360, 362, 368, 374, 376, 381
<223> n = A,T,C or G

<221> misc_feature
<222> 390
<223> n = A,T,C or G

<400> 76
acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaatatt ttcattttgg 60
atattctcct gtttttatta aaccagngat tacncctggc cntccctnta aatgttctag 120
gaaggcatgt ctgttgtnnt ttnnnnaaaa nnaaattntt tttttttngn naaaccccaa 180
atcccanttt atcaggaagt tagncnaatg aaatggaaat tggntaatgg acaaaagcta 240
gcttgtaaaa aggaccaccc nnccacnngn ctttaccccc ttggttngtt gggggaaaaa 300
ccatnnttaa ccntntggnn aaaattgggn ncntaaagtt tncntggnna acagtncntn 360
cngtattnaa ttgncnttat nggaaaatcn gggatt 396

<210> 77
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 63, 66, 81, 83, 89, 107, 115, 118, 147, 151, 190, 232, 275,
288, 294, 304, 323, 332, 369, 392
<223> n = A,T,C or G

<400> 77
ttttttttttt ttttttttttt ttttttttttt tatcaacatt tatatgcttt attgaaagtt 60
ganaanggca acagttaaat ncngggacnc cttacaattg tgtaaanaac atgcncanaa 120
acatatgcat ataactacta tacaggngat ntgcaaaaac ccctactggg aaatccattt 180
cattagttan aactgagcat ttttcaaagt attcaaccag ctcaattgaa anacttcagt 240
gaacaaggat ttacttcagc gtattcagca gctanatttc aaattacnca aagngagtaa 300
ctgngccaaa ttcttaaaat ttntttaggg gnggtttttg gcatgtacca gtttttatgt 360
aaatctatnt ataaaagtcc acacctcctc anacag 396

<210> 78
<211> 396

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 14, 16, 20, 26, 28, 36, 38, 39, 40, 51, 52, 55, 57, 58,
67, 71, 114, 120, 132, 138, 142, 159, 165, 169, 172, 174,
175, 183, 187, 195, 197, 198, 200, 202, 206, 209, 243, 259,
260, 267, 283, 292, 305, 311, 315, 317, 319, 323, 324
<223> n = A,T,C or G

<221> misc_feature
<222> 331, 333, 334, 338, 343, 348, 353, 355, 357, 366, 376, 388
<223> n = A,T,C or G

<400> 78
agctggcnaa aggngnatgn gctgcnangc gattangnnn ggtaacgtca nnggntnncc 60
agtgcangac nttgtaaaac gacggccaca tgaattgtaa tacgactcac tatngggcgn 120
attgggccgt gnaggatngt gntcacactc gaatgtatnc tggcngatnc ananngcttt 180
atngctnttg acggngnntn anccanctng ggctttaggg ggtatcccct cgcccctgct 240
tcnttgattt gcacgggcnn ctccganttc cttcataata ccngacgctt cnatccccta 300
gctcngacct ntcantntnt tcnntgggtt ntnnccgntc acngcttncc cgnangntat 360
aatctnggct cctttnggga tccattantc tttact 396

<210> 79
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 116, 153, 189, 194, 210, 218, 241, 270, 272, 288, 291, 304,
324, 325, 329, 333, 334, 338, 340, 342, 366, 372, 377, 384,
396
<223> n = A,T,C or G

<400> 79
caccaaccaa aacctggcgc cgttggcatc gtagagtgaa cacaacccaa aaacgatacg 60
ccatctgttc tgccctggct gcctcagccc taccagcact ggtcatgtct aaaggncatc 120
gtattgagga agttcctgaa cttcctttgg tangttgaag ataaagctga aggctacaag 180
aagaccaang aagntgtttt gctccttaan aaacttanac gcctggaatg atatcaaaaa 240
ngctatgcct ctcagcgaat gagactggan angcaaaatg agaaaccntc nccgcatcca 300
gcgnaggggc cgtgcatctc tatnntgang atnntggnan cnttcaaggc cttcagaacc 360
tcccctngaaa tnctctnctt taangaacca aactgn 396

<210> 80
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 312, 319, 353, 383
<223> n = A,T,C or G

<400> 80
tgtacatagg catcttattc actgcaccct gtcacaccca gcacccccg ccccgcacat 60
tatttgaaag actgggaatt taatggttag ggacagtaaa tctacttctt tttccaggga 120
cgactgtccc ctctaaagtt aaagtcaata caagaaaact gtctatttt agcctaaagt 180
aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaacaa gtaaaataac 240
ttgacatgag caccttaga tccttccctt catggggctt tgggcccaga atgacctttg 300
aggcctgtaa anggattgna atttcctata agctgtatag tggagggatt ggngggtcat 360
ttgagtaagc cctccaagat acnttcaata cctggg 396

<210> 81
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 240, 286, 361, 364, 374, 375, 379, 380, 381, 387
<223> n = A,T,C or G

<400> 81
gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg ccccctctcat tccacttcca 60
acccctccca ttattccagt actacctcag caatttgtgc cccctacaaa tgttagagac 120
tgtatacgcc ttcgaggtct tccctatgca gccacaattg aggacatcct gcatttcctg 180
ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccagggn 240
ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300
cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgtcagctga 360
nganagaaca ttgnngtann ngggggnact ttaaat 396

<210> 82
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 220, 251, 297, 301, 309, 349, 395
<223> n = A,T,C or G

<400> 82
gactcagaaa tgtcagtctc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60
agcagccgca gccaagcaag taacttgtaa aatgaggaat gccatcaccc ctcgagtgtc 120
catcccacat aacttggggt tagagcacaa gcgttcccag gaactactca ccttaccatc 180
ttggccgttt catttgcttc caccagttct ggaaagagan ggcctagaag ttcaaaaaaa 240
aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300
ngaagtacnc tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360
atttccacca cggaatgacc agtgctttgg gtaana 396

<210> 83
<211> 396
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 13, 372, 379, 393
<223> n = A,T,C or G

<400> 83
tttgatttaa ganatttatt attttttaa aaaaagcaac ttccagggtt gtcattgtac 60
aggttttgcc cagtctccta tagcatggta tagtgataac tgatttttta taacaatgac 120
tcagaggcat tgaagatcca taactatctt ctgaattatc acagaaagaa gaaagttaga 180
agagtttaat gttaagtgta ttaaaaatca tattctaatt cttttaattt ggttatctga 240
gtatgataat ataggagagc tcagataaca aggaaaaggc attggggtaa gaacactcct 300
tcccacagga tggcattaac agacttttc tgcatatgct ttatatagtt gccaactaat 360
tcaccttta cncagcttna ttttttttta ctnggg 396

<210> 84
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 61, 232, 254, 270, 271, 286, 354, 356, 368, 374, 389, 394
<223> n = A,T,C or G

<400> 84
tttttacagc aatttttttt tattgatgtt taacctgtat acaaccatac ccattttaag 60
ngtacagaca aatgaatttt gacaaattca ttcactcatc taatcatcac tataaccatg 120
atacagattt ttatcactcc aaaagtccat cctgtgctct tttcaagtcc atcctcctca 180
tctgataccc caagccacca ttgttttgct ttctggaact acagttttgg gnttttagaa 240
tttcatatat ggtngaatca taccatttgn natttggggc tgacgncttt cctccaataa 300
tggatttgag aattatctac attttgcatg gatcctgggt tatttatacc aacnangggt 360
tattatgnaa aatnggacca caatttggng gcanta 396

<210> 85
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 293, 305, 306, 317, 347, 357, 372, 377, 386, 391
<223> n = A,T,C or G

<400> 85
cagtgaccgt gctcctaccc agctctgctc cacagcgccc acctgtctcc gcccctcggc 60
ccctcgcccg gctttgccta accgccacga tgatgttctc gggcttcaac gcagactacg 120
aggcgtcatc ctcccgctgc agcagcgcgt ccccggccgg ggatagcctc tcttactacc 180
actcacccgc agactccttc tccagcatgg gctcgcctgc aacgcgcagg acttctgcac 240
ggacctggcc gctccagtgc caacttcatt ccacggcact gcatctcgac canccggact 300
tgcannggtt ggggaanccg cccttgtttc tccgtggccc atctaanacc aaaccccntca 360
ccttttcgga gnccccnccc ctccgntggg nttact 396

<210> 86
<211> 396
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 6, 28, 50, 58, 90, 108, 110, 118, 145, 154, 194, 244,
285, 292, 300, 312, 315, 342, 344, 346, 359, 374, 378, 380,
396
<223> n = A,T,C or G

<400> 86
ttttnnactg aatgtttaat acatttgnag gaacagaaga aatgcagtan ggattaanat 60
tttataatta gacattaatg taacagatgn ttcatttttc aaagaagntn ccccttntc 120
cctatctttt tttaatcttc cttanagcaa taantagtaa ttactatatt tgtggacaag 180
ctgctccact gtgntggaca gtaattatta aatctttatg tttcacatca ttattacctt 240
ccanaattct accttcattt ccctgcacag gttcactgga ctggntcaca ancaaattgn 300
actccactca antanaagag cccaaagaaa ttagagtaac gncnantcct atgaattana 360
gacccaaaga tttnaggngn tgattagaaa cataan 396

<210> 87
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 231, 277, 285, 296, 341, 351, 372, 377, 380
<223> n = A,T,C or G

<400> 87
atggaggcgc tggggaagct gaagcagttc gatgcctacc ccaagacttt ggaggacttc 60
cgggtcaaga cctgcggggg cgccaccgtg accattgtca gtggccttct catgctgcta 120
ctgttcctgt ccgagctgca gtattacctc accacggagg tgcatcctga gctctacgtg 180
gacaagtcgc ggggagataa actgaagatc aacatcgatg tacttttttcc ncacatgcct 240
tgtgcctatc tgagtattga tgccatggat gtggccngag aacancagct ggatgnggaa 300
cacaacctgt ttaagccacc actagataaa gatgcatccc ngtgagctca nagctgagcg 360
gcatgagctt gngaaantcn aggtgaccgg gtttga 396

<210> 88
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 246, 266, 301, 328, 347, 349, 368, 370, 371, 374, 379, 387,
391
<223> n = A,T,C or G

<400> 88
tccagagcag agtcagccag catgaccgag cgccgcgtcc ccttctcgct cctgcggggc 60
cccagctggg acccccttccg cgactggtac ccgcatagcc gctcttcgac caggccttcg 120
ggctgccccg gctgccggag gagtggtcgc agtggttagg cggcagcagc tggccaggct 180
acgtgcgccc cctgcccccc gccgcatcga gagccccgca gtggccgcgc ccgctacagc 240
cgcgcngctc agccggcaac tcacancggg gctcggagat ccgggacact gcggaccgct 300

ngcgcgtgcc ctggatgtca ccactttngc ccggacaact gacggtnana caaggatggg 360
gggtgganan nccngtaanc caagaanggg naggac 396

<210> 89
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37, 76, 230, 295, 306, 333, 346, 370, 376, 377, 395
<223> n = A,T,C or G

<400> 89
gagagaacag taaacatcca gccttagcat ctctcangag tactgcagat cttcattagc 60
tatattcaca tggagnaatg ctattcaacc tatttctctt atcaaaacta attttgtatt 120
ctttgaccaa tgttcctaaa ttcactctgc ttctctatct caatcttttt ccccttctc 180
atctttcctc ctttttttcag tttctaactt tcactggttc tttggaatgn tttttctttc 240
atctcttttc ttttacattt tggggtgtcc cctctctttt cttaccctct ttctncatcc 300
ttcttnttct tttgaattgg ctgcccttta tcntctcatc tgctgncatc ttcatttctc 360
ctccctcctn tttccnntca ttctactctc tcccnt 396

<210> 90
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 82, 110, 115, 120, 121, 125, 126, 129, 131, 140, 141, 144,
145, 146, 148, 149, 150, 153, 154, 157, 158, 160, 161, 163,
164, 166, 170, 172, 173, 174, 175, 179, 182, 184, 189, 193,
194, 195, 200, 206, 213, 215, 217, 218, 219, 220, 227
<223> n = A,T,C or G

<221> misc_feature
<222> 228, 231, 233, 236, 241, 247, 248, 249, 250, 254, 259, 262,
269, 273, 274, 275, 280, 281, 282, 286, 287, 289, 293, 294,
301, 302, 304, 309, 311, 318, 319, 324, 325, 330, 331, 333,
334, 336, 337, 341, 342, 343, 344, 349, 352, 353, 358
<223> n = A,T,C or G

<221> misc_feature
<222> 361, 365, 367, 373, 377, 381, 385, 386, 387, 392
<223> n = A,T,C or G

<400> 90
gggcgccggc gcgccccccc acccccgccc cacgtctcgt cgcgcgcgcg tccgctgggg 60
gcggggagcg gtcgggccgg cngcggtcgg ccggcggcag ggtggtgcgn tttcnttttn 120
nattnnccnc nttcttcttn nttnnncnnn ctnntanncn ntnncnttcn cnnnnttttnc 180
tntntcttna ccnnnttttn taatcntctt ctncntnnnn tctcttnnat ntnttnctta 240
nttcctnnnn tttnttctnt cntttctcnc ctnnntctcn nnctcnncnc tcnncatttt 300
nntnttttnt nccttctnnt cttnnttctn ntnntnnttt nnnnttctnt tnntcatntt 360
ncctntntta ctntcanctt ntatnnncct cntttt 396

<210> 91
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 3, 8, 9, 16, 17, 18, 21, 22, 32, 33, 45, 50, 63, 64, 68,
75, 82, 92, 95, 98, 102, 106, 108, 110, 111, 116, 121, 135,
151, 154, 158, 162, 167, 170, 176, 181, 185, 187, 209, 212,
215, 225, 231, 245, 257, 278, 283, 288, 290, 292, 293
<223> n = A,T,C or G

<221> misc_feature
<222> 312, 324, 326, 330, 331, 333, 334, 344, 345, 349, 351, 352,
357, 358, 382, 384, 390, 392
<223> n = A,T,C or G

<400> 91
ntntcctnna tttttnnntc nncttttttt tnnaattttt ctttntttta tttataaaaa 60
tcnncacnta aaacngcgga anaggggatt tnttnttngg gngtancncn nggccncaaa 120
naaccccaaa aatancccaa aatgcacagg nccngggnaa angaccnacn tgggtntttt 180
ntttntnaac aaggggggtt ttaaagggna tnggnatcaa agggnataaa ntttaaacct 240
ttganaaatt ttttaanagg cttgcccccc actttggncc ccncccncn gnngggatcc 300
aatttttttt cnttggggct cccngncccn nannttccgg gttnntggnc nntcctnntt 360
ttttttttt tgccttcacc cntnccattn cntttt 396

<210> 92
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 3, 7, 8, 9, 11, 31, 149, 152, 221, 233, 259, 263, 264, 265,
266, 274, 278, 279, 283, 286, 294, 302, 307, 309, 310, 311,
314, 316, 320, 343, 351, 363, 372, 377, 386, 393
<223> n = A,T,C or G

<400> 92
ctntttnnnt nttttttcc ccatcatcca naaatgggtt ttattctcag ccgagggaca 60
gcaggactgg taaaaactgt caggccacac ggttgcctgc acagcacccc catgcttggt 120
agggggtggg agggatggcg ggggctggnt gnccacaggc cgggcatgac aaggaggctc 180
actggaggtg gcacactttg gagtgggatg tcgggggaca ncttctttgg tanttgggcc 240
acaagattcc caaggatanc acnnnnactg attnccannc tanagncaag cggntggcca 300
tntgtangnn nttntntatn tgactattta tagatttta tanaacaggg naagggcata 360
ccncaaaagg gnccaanttt ttaccnccgg gcnccc 396

<210> 93
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 290, 304, 313, 320, 325, 333, 337, 348, 351
<223> n = A,T,C or G

<400> 93
gctgccacag atctgttcct ttgtccgttt ttgggatcca caggccctat gtatttgaag 60
ggaaatgtgt atggctcaga tccttttttga aacatatcat acaggttgca gtcctgaccc 120
aagaacagtt ttaatggacc actatgagcc cagttacata aagaaaaagg agtgctaccc 180
atgttctcat ccttcagaag aatcctgcga acggagcttc agtaatatat cgtggcttca 240
catgtgagga agctacttaa cactagttac tctcacaatg aaggacctgn aatgaaaaat 300
ctgnttctaa ccnagtcctn tttanatttt agngcanatc cagaccancg ncggtgctcg 360
agtaattctt tcatgggacc tttggaaaac tttcag 396

<210> 94
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 115, 204, 205, 243, 266, 276, 316, 319, 355, 357, 364
<223> n = A,T,C or G

<400> 94
tgccttaacc agtctctcaa gtgatgagac agtgaagtaa aattgagtgc actaaacgaa 60
taagattctg aggaagtctt atcttctgca gtgagtatgg cccaatgctt tctgnggcta 120
aacagatgta atgggaagaa ataaaagcct acgtgttggt aaatccaaca gcaagggaga 180
tttttgaatc ataataactc atanngtgct atctgtcagt gatgccctca gagctcttgc 240
tgntagctgg cagctgacgc ttctangata gttagnttgg aaatggtctt cataataact 300
acacaaggaa agtcanccnc cgggcttatg aggaattgga cttaataaat ttagngngct 360
tccnacctaa aatatatctt ttggaagtaa aattta 396

<210> 95
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 16, 31, 36, 42, 49, 53, 56, 57, 60, 67, 70, 84, 89, 91,
92, 99, 105, 106, 112, 120, 121, 125, 127, 128, 133, 137,
141, 151, 152, 153, 154, 155, 162, 166, 167, 168, 174, 177,
179, 186, 188, 194, 195, 199, 203, 205, 213, 217, 221
<223> n = A,T,C or G

<221> misc_feature
<222> 227, 232, 235, 236, 240, 242, 260, 261, 265, 266, 291, 297,
318, 325, 330, 339, 348, 351, 352, 354, 356, 362, 364, 372,
380, 392, 395, 396
<223> n = A,T,C or G

<400> 95
cctcccaccc ncttanttca tgagattcga naatgncact tntgtgctnt ttnctnnttn 60

tattctnacn atttctttct tggngcggna nnaatcccnt ttttnngggc gnctctcccn 120
ncttntnntt tcntggngct ntccctttc nnnnnaaact tntacnnngt ttanaantnt 180
ttctgnangg gggnntccna aanantttt ccncctncct nattccnctc tnaannctcn 240
cnaattgttt ccccccccn ntagnntatt ttttctaaaa aattaactcc nacgganaaa 300
attttcccta aaatttcncc tccanatttn gaaaaaacnc gcccgganct nntntncgaa 360
tntnaatttt tnaaaaaaan ttatttcat cnggnn 396

<210> 96
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 161, 193, 253, 259, 281, 288, 299, 309, 318, 319, 335, 340,
344, 352, 355, 356, 387, 396
<223> n = A,T,C or G

<400> 96
cctgggtacc aaatttcttt atttgaagga atggtacaaa tcaaagaact taagtggatg 60
ttttggacaa cttatagaaa aggtaaagga aaccccaaca tgcatgcact gccttggcga 120
ccagggaagt caccccacgg ctatggggaa attagcccga ngcttaactt tcattatcac 180
tgcttccaag ggngtgcttg gcaaaaaaat attccgccaa ccaaatcggg cgctccatct 240
tgcccagttg gtnccgggnc cccaattctt ggatgctttc ncctcttntt ccggaatgng 300
ctcatgaant cccccaannng gggcattttg ccagnggccn tttngccatt cnagnnggcc 360
tgatccattt tttccaatgt aatgccnctt cattgn 396

<210> 97
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 15, 16, 19, 23, 31, 38, 39, 41, 45, 68, 94, 95, 100,
119, 131, 133, 141, 144, 164, 171, 182, 186, 190, 191, 195,
196, 198, 213, 229, 231, 235, 239, 247, 257, 265, 269, 272,
278, 279, 286, 289, 291, 306, 309, 310, 312, 317, 320
<223> n = A,T,C or G

<221> misc_feature
<222> 321, 327, 328, 337, 340, 343, 351, 360, 361, 368, 375, 381,
385, 386, 387, 388
<223> n = A,T,C or G

<400> 97
ctcaccctcc tcntnnttnt canaatattg ngaacttnnt nctgntcgaa tcactggcat 60
taaagganca ctagctaatg gcactaaatt tacnnactan ggaaacttt ttataatant 120
gcaaaaacat ntnaaaaaga ntgnagttcg cccatttctg cttnggaaga nctcttcact 180
tntaancccn natgnngncc tttgggtcaa aanctccgcg attattacng ngttncccnc 240
tatttgncct tcctttntcc ccaangccnc anatttcnna actttnccnt naaatgcctt 300
tatttnatnn cntttcnacn ncttaanntt ccctttnaan aangatccct ncttcaaatn 360
ntttcccngt tcctngcatt ncccnnnnat ttctct 396

<210> 98
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 130, 202, 285, 296, 299, 308, 314, 321, 322, 336, 373
<223> n = A,T,C or G

<400> 98
acagggacaa tgaagccttt gaagtgccag tctatgaaga ggccgtggtg ggactagaat 60
cccagtgccg cccccaagag ttggaccaac cacccccctac agcactgttg tgataccccc 120
agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180
aggcgaatgg ctcagagggg tncatggcca agaaggaagc cctggaagaa cttcaatcac 240
cttcggtttc gggaccaccg gcttgtgtcc ctgttctgac tgcanaactt ggcgcngtnc 300
cccattanaa cctntgactc nnccccttgct ataagnctgt tttggcccct gatgatgata 360
gggtttttat gangacactt gggcaccccc ttaatg 396

<210> 99
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 4, 13, 15, 26, 31, 43, 46, 48, 52, 54, 55, 60, 62, 68,
72, 93, 112, 118, 119, 122, 131, 132, 133, 134, 145, 147,
152, 157, 163, 164, 186, 190, 225, 231, 239, 246, 247, 250,
255, 262, 285, 314, 316, 319, 325, 332, 339, 343, 345
<223> n = A,T,C or G

<221> misc_feature
<222> 348, 351, 352, 355, 357, 361, 370, 387
<223> n = A,T,C or G

<400> 99
nttnttttttc cgncnaaagg gcaagngttt ncatctttcc tgnccncnca anannggggtn 60
tntgtgcntt tnttttttcc caaaacccgg gtnggggaca ccttttgagg anccactnnt 120
cntccggggc nnnnttttag aaggngncta anaagcntct tgnnggggga aaaacatctt 180
tttgcncccn acatacccccc aaggggggggg ggtgtctggg agganactaa ngacttttnt 240
tttttnnccn caaanaactg anggcccccca ttgctccccc cccantcttt aaaaaacccc 300
ttcaatttcc ttgncnggna aaaanggttg gnaaaaaang agngngcntc nnttncnttt 360
natggaaggn aaaaggtttt tggttgnaaa accccg 396

<210> 100
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 229, 286, 303, 312, 334, 335, 348, 350, 357, 364, 371, 395
<223> n = A,T,C or G

<400> 100
ctaacacggt gaaaccctgt ctctactaaa aatacaaaaa aattagccag gcgtggtggc 60
gggcacctgt agtcccagct gctcaggaag ctgaggcagg agaatggcgt gaacccagaa 120
ggcggagctt gcagtgagct gagatcgtgt cagtgcactc cagcctgggc gacagagcga 180
gactcccgct caaaaaaaaa aaaaaaaaga gaaaagaaaa agctgcagng agctgggaat 240
gggccctatc ccctccttgg ggatcaatga gacccctttt caaaanaaaa aaaaaaataa 300
tgngattttg gnaacatatg gcactggtgc ttcnnggaat tctgtttntn ggcatgnccc 360
cctntgactg nggaaaaatc cagcaggagg cccana 396

<210> 101
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 93, 99, 100, 111, 168, 172, 174, 199, 209, 216, 218, 219,
227, 242, 243, 269, 272, 297, 300, 301, 308, 315, 317, 323,
331, 341, 344, 348, 357, 359, 363, 364, 366, 376, 379, 386,
389, 392
<223> n = A,T,C or G

<400> 101
agttataact caacagttca tttatatgct gttcatttaa cagttcattt aaacagttca 60
ttataactgt ttaaaaatat atatgcttat agncaaaann tgttgtggcg nagttgttgc 120
cgcttatagc tgagcattat ttcttaaatt cttgaatgtt cttttggngg gntnctaaaa 180
ccgtatatga tccattttna tgggaaacng aattcntnnc attatcncac cttggaaata 240
cnnaacgtgg gggaaaaaaa tcattcccnc cntccaaaac tatacttctt ttatctngan 300
nttcttgntc ctgcncnggt ttngaatata nctgggcaaa nggntttncc aaatccntnt 360
acnntncttt gggaantanc ggcaantcnt cncttt 396

<210> 102
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 17, 93, 136, 183, 317
<223> n = A,T,C or G

<400> 102
actatacata agaacangct cacatgggag gctggaggtg ggtacccagc tgctgtggaa 60
cgggtatgga caggtcataa acctagagtc agngtcctgt tggcctagcc catttcagca 120
ccctgccact tggagnggac ccctctactc ttcttagcgc ctaccctcat acctatctcc 180
ctnctcccat ctcctacgga ctggcgccaa atggctttcc tgccaatttt gggatcttct 240
ctggctctcc agcctgctta ctcctctatt tttaaagggc caaacaaatc ccttctcttt 300
ctcaaacaca gtaatgnggc actgacccta ccacacctca tgaagggggc ttgttgcttt 360
tatttgggcc cgatctgggg ggggcaaaat attttg 396

<210> 103
<211> 396
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 91, 174, 176, 188, 201, 214, 254, 277, 299, 325, 349, 355,
365, 372, 390
<223> n = A,T,C or G

<400> 103
ttgtgttggg actgctgata ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 60
cccaacttca aagccacagc tggtatgcca natggtcagg ttaaagatat caacctgctg 120
actacaaagg aaaatatggt ggggtcttct tttaccctct tgacttccct ttgngngccc 180
cccgaganca ttgctttccg ngatagggca aaanaaatta aaaaacttaa ctggccagtg 240
aatggggctt ctgnggatct ccttctggca ttacatnggc aatccctaaa aaacaagang 300
actgggaccc ataacattct tttgnatcaa ccgaagcccc cattgttang atatngggct 360
taaangctga tnaagcatct cgtccgggcn ttttat 396

<210> 104
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 32, 53, 86, 141, 154, 156, 181, 182, 197, 204, 219, 224,
226, 229, 232, 245, 253, 260, 262, 271, 273, 276, 292, 301,
303, 305, 321, 325, 332, 343, 352, 382, 392
<223> n = A,T,C or G

<400> 104
aagggagggc gcgccaagac cttcccactc gngcacactg ggggcgccga cangacgcaa 60
cccagtccaa cttggatacc cttggnttta gttctcggac acttctttta tctctccgtc 120
gcaacttgtc aagttctcaa nactgtctct ctgngntatc ttttttcttc gctgctcttc 180
nnccccccgac gtatttntca aaangtctgc aattgttgna tacntnganc tncaccactg 240
ttacnaggtc atnaatttcn cntcaactct ntnccncttg ttcccctgata tntcggccgg 300
ngncnccaat tctgtatttt nctcntcaac gntctcactt ttncctcctc cnggccactt 360
tctcccccttc cttattccgg cnttgtttgc cnccat 396

<210> 105
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 57, 306, 356, 388, 391
<223> n = A,T,C or G

<400> 105
tcaatagcca gccagtgttc atttttatcc ttgagctttt agtaaaaact tcctggnttt 60
atttttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taacttttt 120
gtttttaatc caggccaaca tgtatgtaaa ttaaattttt agataattga ttatctcttt 180
gtactacttg agatttgatt atgagatgtg catattgctt tgggaagagc tcgaggaagg 240
aaataattct ctcctttggt ttgaacctca actagataaa ccctaggaat tgttaactgc 300

acaagnattt tcattccaca aaacctgagg cagctctttt gccagagcgt tcctgnaccc 360
ccccacccca cttgccttgg gtctttanaa ngagcc 396

<210> 106
<211> 396
<212> DNA
<213> Homo sapiens

<400> 106
gctgtgtagc acactgagtg acgcaatcaa tgtttactcg aacagaatgc atttcttcac 60
tccgaagcca aatgacaaat aaagtccaaa ggcattttct cctgtgctga ccaaccaaat 120
aatatgtata gacacacaca catatgcaca cacacacaca cacacccaca gagagagagc 180
tgcaagagca tggaattcat gtgtttaaag ataatccttt ccatgtgaag tttaaaatta 240
ctatatattt gctgatggct agattgagag aataaaagac agtaaccttt ctcttcaaag 300
ataaaatgaa aagcaattgc tcttttcttc ctaaaaaatg caaaagattt acattgctgc 360
caaatcattt caactgaaaa gaacagtatt gctttg 396

<210> 107
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 210, 257, 261, 271, 302, 311, 314, 318, 368, 374, 385,
389, 396
<223> n = A,T,C or G

<400> 107
ttcacagaac anggtggttt attatttcaa tagcaaagag ctgaaaaatg tcgggtccca 60
taaaggagca gaacctgacc cagagcctgc agtacatttc caccccacag gggtgcaggc 120
tgggccaggc agggccaaag gcagcagaaa tgggagtaag agactgtgcc cactgagaag 180
ctctgctggg tgtgggcagg tgggcatgan atgatgatga tgtagtgtaa ggaccaggta 240
ggcaaaacct gtcaggnttg ntgaatgtca nagtggatcc aaaaggctga gggggtcgtc 300
anaaggccgg nggncccncc cttgcccgta tgggccttca aaaagtatgc ttgctcatcc 360
gttgtttncc ccanggagct gccanggana aggctn 396

<210> 108
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 280, 281, 286, 305, 311, 313, 323, 326, 327, 340, 352, 356,
363, 369, 378, 388, 392
<223> n = A,T,C or G

<400> 108
gcctgctttt gatgatgtct acagaaaatg ctggctgagc tgaacacatt tgcccaattc 60
caggtgtgca cagaaaaccg agaatattca aaattccaaa ttttttttctt aggagcaaga 120
agaaaatgtg gccctaaagg gggttagttg aggggtaggg ggtagtgagg atcttgattt 180
ggatctcttt ttatttaaat gtgaatttca acttttgaca atcaaagaaa agacttttgt 240
tgaaatagct ttactgcttc tcacgtgttt tggagaaaan natcancct gcaatcactt 300

tttgnaactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa 360
tgncctggnc ttttgaanga atacatgngt gntgct 396

<210> 109
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 237, 279, 284, 291, 305, 307, 308, 313, 326, 343, 351, 366,
376, 392, 394, 395
<223> n = A,T,C or G

<400> 109
ggccgtaggc agccatggcg cccagcccgg aatggcatgg tcttgaagcc ccacttccac 60
aaggactggc agcggcgcgt ggccacgtgg ttcaaccagc cggcccggaa gatccgcaga 120
cgtaaggccc ggcaagccaa ggcgcgccgc atcgctccgc gccccgcgtc gggtcccatc 180
cggcccatcg tgcgctgccc acggttcggt accacacgaa gggcgcgccg gcgcggnttc 240
agcctggagg agctcagggt ggccggattt acaagaagng gccngacatc ngtattcttg 300
ggatncnnga agnggaacaa gtcacngagt ccttgcagcc acntcagcgg ntgatgacac 360
cgttcnaact catctnttcc caagaaacct cngnnc 396

<210> 110
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 12, 13, 16, 18, 29, 39, 60, 66, 70, 86, 90, 104, 121,
122, 127, 128, 146, 165, 171, 172, 173, 176, 188, 189, 193,
195, 205, 210, 211, 224, 226, 227, 231, 233, 240, 243, 244,
248, 249, 255, 257, 258, 260, 266, 268, 272, 273, 275
<223> n = A,T,C or G

<221> misc_feature
<222> 278, 280, 287, 292, 294, 303, 308, 312, 315, 320, 322, 332,
333, 334, 335, 345, 347, 351, 363, 364, 369, 371, 372, 379,
381, 382, 386, 391, 393
<223> n = A,T,C or G

<400> 110
nntgggctcc tnncantnat aataaaccng actcatacnc cacaaggaga tgaacaggan 60
tatgtncatn ctgacgcgga aacagngcan ggagctgagg aggngccaag atgagaccta 120
nnggccnngg tgggcgcatt cccggnggag ggggccacta aggantacga nnntcnagcg 180
gctcttgnng gcngncctcc tcacncctgn ntattcgatt gtcncnnatg ncntcctatn 240
atnntcanna ttctntnntn atctcntnta cnncntcncn ttcatgntta cngntccctc 300
tcnttctnac cnttntctgn anctcctttc tnnnnctttc atctntnttc ngctttcttt 360
ctnnaatcnt nntttaacnt nntctncttt ntnatt 396

<210> 111
<211> 396
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 7, 11, 16, 19, 25, 26, 30, 33, 39, 54, 60, 69, 75, 81,
99, 102, 130, 132, 143, 154, 156, 166, 180, 182, 188, 190,
192, 194, 198, 201, 226, 242, 253, 261, 264, 295, 305, 313,
315, 320, 323, 325, 330, 334, 337, 340, 344, 348, 349
<223> n = A,T,C or G

<221> misc_feature
<222> 351, 352, 357, 358, 359, 361, 362, 381, 387, 388, 389, 394
<223> n = A,T,C or G

<400> 111
taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn 60
tgtcccagng aatgncggct nattttcttt ccacattgng cncattcact cctcccactc 120
ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccan 180
angggtanan cntnttgnat ntcattccat tgatatacag ccactntttt atttttgatc 240
ancggccttc ggntcactgc ncanggtact tgacctcagt gtcactatta tgggntttgg 300
tttcnctctt ttncnggccn ttntntttcn cacnttncan cttncttnnt nnaaaannna 360
nncactctct cttgctctct ngatacnnng tctnaa 396

<210> 112
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 172, 186, 378, 380, 382, 388
<223> n = A,T,C or G

<400> 112
tcaacgtcac caattactgc catttagccc acgagctgcg tctcagctgc atggagagga 60
aaaaggtcca gattcgaagc atggatccct ccgccttggc aagcgaccga tttaacctca 120
tactggcaga taccaacagt gaccggctct tcacagtgaa cgatgttaaa gntggaggct 180
ccaagnatgg tatcatcaac ctgcaaagtc tgaagacccc tacgctcaag gtgttcatgc 240
acgaaaacct ctacttcacc aaccggaagg tgaattcggg gggctgggcc tcgctgaatc 300
acttggattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc 360
tgctcccacc atcactgntn gncaatantc acccag 396

<210> 113
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 3, 4, 7, 8, 9, 10, 11, 65, 273, 279, 280, 289, 321,
338, 380
<223> n = A,T,C or G

<400> 113

nnnnttnnnn nggagcctta atttcagagt tttattgtat tgcactaaag gaacagcagg 60
atggntatac aattttctct cattcagttt tgaaaatctg tagtacctgc aaattcttaa 120
gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180
gtcttacaaa taaaaacaca tttaaaatag ctttaaatgc attcttcaca agtaattcag 240
catatatttt atatcatggt tacttatgct tangaattnn agcaggatnt ttattctttt 300
gatggaaata tgggaaaact ntattcatgc atatacangg ataatattca gcgaagggaa 360
aatcccgttt ttattttggn aatgattcat atataa 396

<210> 114
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 40, 82, 114, 116, 146, 164, 166, 174, 185, 212, 215, 219,
224, 236, 242, 254, 258, 263, 270, 286, 299, 308, 327, 328,
329, 345, 363, 378, 382, 385
<223> n = A,T,C or G

<400> 114
aaatgggaca acgtgattct tttgttttaa ataaatactn agaacacgga cttggctcct 60
acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc cccncncagg 120
gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180
tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcggntggg 240
anaactacaa ctgnaatntc tcnaacggtn atggtcccca ccgatnaaga ttctacctng 300
tcttttcntc ccctggagtg tgagtgnnng aggaagaagc ccttncctta catcaccttt 360
tgnacttctg aacaaganca anacnatggc cccccc 396

<210> 115
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277, 297, 321, 341, 381, 391
<223> n = A,T,C or G

<400> 115
ccgcctggtt cggcccgcct gcctccactc ctgcctctac catgtccatc agggtgaccc 60
agaagtccta caaggtgtcc acctctggcc cccgggcctt cagcagccgc tcctacacga 120
gtgggcccgg ttcccgcatc agctcctcga gcttctcccg agtgggcagc agcaactttc 180
gcggtggcct ggcggcggct atggtggggc cagcggcatg ggaggcatca cccgcagtta 240
cggcaaccag agcctgctga gccccttgcc tggaggngga ccccaacatc aagccgngcg 300
cacccaggaa aaggagcaga ncaagaccct caacaacaag nttgcttctt catagacaag 360
ggaccggtcc ttgaacagca naacaagatg ntggag 396

<210> 116
<211> 396
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 267, 290, 343, 351, 376
<223> n = A,T,C or G

<400> 116
atctcagttt actagctaag tgactttggg caagggattt aacctctcgt ccctcagttt 60
cctcctatgt aaaatgacaa ggataatagt accaacccaa tgtagattaa atgagtttac 120
gaagtgttag aatagtgctt ggcacattag tgctttacaa ctgctatttt gattgttgtt 180
gtgggctctc tcaaatgcat tgtctctaga tgccagtgac ccaggtcaaa atttaccttt 240
aaccaagctg catgtttccc agactgntgc acagtcctct accctgagan aaagcttcca 300
cccaaggata cttttacttt ctgctggaaa actgatgagc aanggcaaca ngggacactt 360
atcgccaact ggaaangaga aattcttcct tttgct 396

<210> 117
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 228, 267, 318, 331, 357, 368, 376
<223> n = A,T,C or G

<400> 117
aaacattttt taataaaatt cctatagaaa gctcagtcat agggcaaata ctcagttctc 60
tttcccatat caccgaggat tgagagctcc caatattctt tggagaataa gcagtagttt 120
tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180
tattgcacat attaacatta cttgccccta gcaccctaaa tatatggnac ctcaacaaat 240
aacttaaaga tttccgtggg gcgcganacc atttcaattt gaactaatat ccttgaaaaa 300
aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanatc 360
tgaattcnga cttggnttta ttccataaat acggtt 396

<210> 118
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 5, 12, 14, 15, 16, 24, 59, 80, 87, 225, 280, 286, 287,
295, 297, 298, 337, 349, 362, 375, 387, 394
<223> n = A,T,C or G

<400> 118
accnncacct gntnnnnttt aacnattaca acttctttat atggcagttt ttactgggng 60
cctaacactc tctttactgn ctcaagngga agtccaaaca aatttcattt ttgtagtaaa 120
aaatctttat ttccaaaatg atttgttagc caaaagaact ataaaccacc taacaagact 180
ttggaagaaa gagacttgat gcttcttata aattccccat tgcanacaaa aaataacaat 240
ccaacaagag catggtaccc attcttacca ttaacctggn tttaannctc caaancnnga 300
tttaaaaatg accccactgg gcccaatcca acatganacc taggggggnt tgccttgatt 360
angaatcccc cttanggact ttatctnggc tganaa 396

<210> 119
<211> 396

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 251, 281, 298, 301, 308, 326, 332, 337, 351, 358, 362, 388,
394
<223> n = A,T,C or G

<400> 119
atggccagct cactttaaat accacctcaa gactcatcga aatgaccgct ccttcatctg 60
tcctgcagaa ggttgtggga aaagcttcta tgtgctgcag aggctgaagg tgcacatgag 120
gacccacaat ggagagaagc cctttatgtg ccatgagtct ggctgtggta agcagtttac 180
tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240
tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300
ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagngg 360
angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261, 263, 265, 272, 273, 288, 308, 310, 330, 379
<223> n = A,T,C or G

<400> 120
catgggtcag tcggtcctga gagttcgaag agggcacatt cccaaagaca ttcccagtca 60
tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg cttttagagt 120
tacattatgc ttggcatgaa taaggtgcca ggaaaacagt ttaaaattat acatcagcat 180
acagactgct gttagaaggt atgggatcat attaagataa tctgcagctc tactacgcat 240
ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300
atctctgngn agaacatttg attccattgn gaagaatgca gtttaaaata tctgaatgcc 360
atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 77, 125, 130, 142, 155, 162, 166, 176, 204, 227, 242, 243,
245, 246, 249, 251, 252, 265, 279, 306, 310, 314, 336, 341,
354, 367, 382, 385, 390, 395
<223> n = A,T,C or G

<400> 121
ttttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60
aaaagggtta ataaacnttt actacatggc aaattatttt agctagaatg cttttggctt 120
caagncatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180
ataactgtaa tccccaaggg gaanagggtt gggtatgaca ggtacanggg gccagcccag 240

tnntnncana nncagactct taccntcttt ctgctgtgnc accctcaggc attggctcca 300
ttctcngggn tgcncatggg aagatggctt tggacntaac nacacccttt tgtncacgta 360
aaggccngat gcagggtcaa anagnttccn ccatnt 396

<210> 122
<211> 396
<212> DNA
<213> Homo sapiens

<400> 122
gtcgacatgg ctgccctctg ggctcccaga acccacaaca tgaaagaaat ggtgctaccc 60
agctcaagcc tgggcctttg aatccggaca caaaaccctc tagcttggaa atgaatatgc 120
tgcactttac aaccactgca ctacctgact caggaatcgg ctctggaagg tgaagctaga 180
ggaaccagac ctcatcagcc caacatcaaa gacaccatcg gaacagcagc gcccgcagca 240
cccaccccgc accggcgact ccatcttcat ggccaccccc tgcggtggac ggttgaccac 300
cagccaccac atcatcccag agctgagctc ctccagcggg atgacgccgt ccccaccacc 360
tccctcttct tctttttcat ccttctgtct ctttgt 396

<210> 123
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 74, 94, 142, 149, 194, 219, 233, 279, 316, 335, 368
<223> n = A,T,C or G

<400> 123
gccctttttt ttttttttct tttcctagtg ccaggtttat tccctcacat gggtggttca 60
catacacagc acanaggcac gggcaccatg gganagggca gcactcctgc cttctgaggg 120
gatcttggcc tcacggtgta anaagggana ggatggtttc tcttctgccc tcactagggc 180
ctagggaacc cagnagcaaa tcccaccacg ccttccatnt ctcagccaag ganaagccac 240
cttggtgacg tttagttcca accattatag taagtggana agggattggc ctggtcccaa 300
ccattacagg gtgaanatat aaacagtaaa ggaanataca gtttggatga ggccacagga 360
aggagcanat gacaccatca aaagcatatg caggga 396

<210> 124
<211> 396
<212> DNA
<213> Homo sapiens

<400> 124
gaccattgcc ccagacctgg aagatataac attcagttcc caccatctga ttaaaacaac 60
ttcctccctt acagagcata caacagaggg ggcacccggg gaggagagca catactgtgt 120
tccaatttca cgcttttaat tctcatttgt tctcacacca acagtgtgaa gtgcgtggta 180
taatctccat ttcaaaacca aggaagcagc ctcagagtgg tcgagtgaca cacctcacgc 240
aggctgagtc cagagcttgt gctcctcttg attcctggtt tgactcagtt ccaggcctga 300
tcttgcctgt ctggctcagg gtcaaagaca gaatggtgga gtgtagcctc cacctgatat 360
tcaggctact cattcagtcc caaatatgta ttttcc 396

<210> 125
<211> 396
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 43, 88, 91, 94, 139, 141, 150, 163, 193, 202, 212, 215, 222,
238, 253, 256, 286, 297, 331, 343, 350, 360, 376, 385, 396
<223> n = A,T,C or G

<400> 125
ccctttttttt ttttttttttt ttttttttttt ttttttactt tgnaacaaaa atttattagg 60
attaagtcaa attaaaaaac ttcatgcncc nccncttgtc atatttacct gaaatgacaa 120
agttatactt agcttgagng naaaacttgn gccccaaaaa ttntgtttgg aaagcaaaaa 180
aataattgat gcncatagca gnggggcctga tnccnccaca gngaatgttg tttaaggnct 240
aacaaacagg ggncancaaa gcatacatta cttttaagct ttgggnccaa ggaaaangtc 300
attccctacc tccttcaaaa gcaaactcat natagcctgg gcncctaggn ctggagcctn 360
ttttttcgag tctaanatga acatntggat ttcaan 396

<210> 126
<211> 396
<212> DNA
<213> Homo sapiens

<400> 126
cgcgtcgact cgcaagtgga atgtgacgtc cctggagacc ctgaaggctt tgcttgaagt 60
caacaaaggg cacgaaatga gtcctcaggt ggccaccctg atcgaccgct ttgtgaaggg 120
aaggggccag ctagacaaag acaccctaga caccctgacc gccttctacc ctgggtacct 180
gtgctccctc agccccgagg agctgagctc cgtgcccccc agcagcatct gggcggtcag 240
gccccacgac ctggacacgc tggggctacg gctacagggc ggcatcccca acggctacct 300
ggtcctagac ctcagcatgc aagaggccct ctcggggacg ccctgcctcc taggacctgg 360
acctgttctc accgtcctgg cactgctcct agcctc 396

<210> 127
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15
<223> n = A,T,C or G

<400> 127
ttttttttttt ttggnggtaa aatgcaaatg ttttaaaata tgtttatttt gtatgtttta 60
caatgaatac ttcagcaaag aaaataatta taatttcaaa atgcaatccc tggatttgat 120
aaatatcctt tataatcgat tacactaatc aatatctaga aatatacata gacaaagtta 180
gctaatgaat aaaataagta aaatgactac ataaactcaa tttcagggat gagggatcat 240
gcatgatcag ttaagtcact ctgccacttt ttaaaataat acgattcaca tttgcttcaa 300
tcacataaac attcattgca ggagttacac ggctaatcat tgaaaattat gatctttgtt 360
agcttaaaag aaaattcagt ttaatacaaa gacatt 396

<210> 128
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 220, 244, 351, 384
<223> n = A,T,C or G

<400> 128
gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca 60
taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa 120
attctgcttt taaaaaggtg ccttaagtta accaagcatt ttgataacac attcaaattt 180
aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat 240
tcanaatacg ctttttacac aaagaactac aaaaagttac aaagacagcc ttcaggaacc 300
acacttagga aaagtgagcc gagcagcctt cacgcaaagc ctccttcaaa naagtctcac 360
aaagactcca gaaccagccg agtntgtgaa aaagga 396

<210> 129
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 104, 164, 177, 204, 217, 234, 273, 312, 350, 353, 370
<223> n = A,T,C or G

<400> 129
gccctttttt ttttttttt ttttactcag acaggcaata tttgctcaca tttattctct 60
tgcatcgtaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta 120
aaataagatt aacagtgtaa gaaggaaaat ctcaaaaaaa gcanatagac aatgtanaaa 180
attgaaatga aatcccacag taanaaaaaa aaaacanaaa agtgcctatt taanaattat 240
gctacatgtg gaacttaact agaccatttt aanaaagacc aatttctaat gcaaattttc 300
tgaggttttc anattttatt tttaaaatat gttatagcta catgttgtcn acncggccgc 360
tcgagtctan agggcccgtt taaacccgct gatcag 396

<210> 130
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 23, 24, 26, 32, 56, 191, 286, 355
<223> n = A,T,C or G

<400> 130
cgccctttttt ttttttttt tanngnacgt gnctttattt ctggatgata taaaanaaaa 60
aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120
tcccacccgg ataaatagag acttctgtat gtcagtctac cctcccgccc ccataacccc 180
ctctgctata nacatactct gggtatatat tactctactc ggcaatagac atctcccgaa 240
aatagaattc ctgccctgac acctgactct tccctggccg catcanacca cccgccactg 300
tagcacactg gtgtccttgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360
cacatttgtc acatggctgc tgtgtccacc gtactt 396

<210> 131

<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 49, 68, 69, 83, 88, 93, 136, 140, 154, 158, 166, 167, 168, 170, 172, 173, 187, 226, 239, 241, 247, 257, 259, 271, 293, 301, 318, 334, 336, 342, 344, 357, 377, 384
<223> n = A,T,C or G

<400> 131
gccctttttt tttttttttt tttttttttt ttcagtttac acaaaaacnc tttaattgac 60
agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120
tttacaaaca agtttntcan taaattccag tgtncttnaa accccnnncn annaaaacat 180
atatganccc ccagttcctg ggcaaactgt tgaacattca ctgcanacaa aaagaccanc 240
nccaaanagt catctgngnc ctccatgctg ngtttgcacc aaacctgagg gancagctag 300
ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360
tttccttggt ccctcantcc tgtnggagta agttcc 396

<210> 132
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 69
<223> n = A,T,C or G

<400> 132
cgcgtcgacc gcggccgtag cagccgggct ggtcctgctg cgagccggcg gcccggagtg 60
gggcggcgnt atgtaccttc cacattgagt attcagaaag aagtgatctg aactctgacc 120
attctttatg gatacattaa gtcaaatata agagtctgac tacttgacac actggctcgg 180
tgagttctgc tttttctttt taatataaat ttattatgtt ggtaaattta gcttttggct 240
tttcactttg ctctcatgat ataagaaaat gtaggttttc tctttcagtt tgaatttcc 300
tattcagtaa aacaacatgc tagaaaacaa actttggaa aggcattgta actattttt 360
caaatagaac cataataaca agtcttgtct taccct 396

<210> 133
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 17, 18, 20, 21, 25, 26, 30, 31, 40, 44, 45, 46, 51, 52, 66, 67, 68, 74, 89, 109, 122, 166, 193, 214, 218, 266, 269, 291, 307, 315, 348, 375, 378, 379, 386, 393
<223> n = A,T,C or G

<400> 133
ntattacccc tcctggnnan ntggnnatan nctgcaaggn gatnnncccg nngaacttca 60
ctgatnnncc aatnaaaact gctttaaanc tgactgcaca tatgaattnt aatacttact 120

tngcgggagg ggtggggcag ggacagcaag ggggaggatt gggaanacaa tagacaggca 180
tgctggggat gcngcgggct ctatggcttc tgangcgnaa agaaccagct ggggctctag 240
ggggtatccc cacgcgccct gtagcngcnc attaaacgcg gcgggtgtgg nggttacttc 300
gcaaagngac cgatncactt gccagcgccc tagctgcccg ctcctttngc tttcttccct 360
tcctttctcg ccacnttnnc cggctntccc cgncaa 396

<210> 134
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 133, 144, 221, 229, 302, 358
<223> n = A,T,C or G

<400> 134
ttttttttt ttctgctttt tatatgttta aaaatctctc attctattgc tgctttattt 60
aaagaaagat tactttcttc cctacaagat ctttattaat tgtaaaggga aaatgaataa 120
ctttacaatg ganacacctg gcanacacca tcttaaccaa agcttgaagt taacataacc 180
agtaatagaa ctgatcaata tcttgtgcct cctgatatgg ngtactaana aaaacacaac 240
atcatgccat gatagtcttg ccaaaagtgc ataacctaaa tctaatcata aggaaacatt 300
anacaaactc aaattgaagg acattctaca aagtgccctg tattaaggaa ttattcanag 360
taaaggagac ttaaaagaca tggcaacaat gcagta 396

<210> 135
<211> 396
<212> DNA
<213> Homo sapiens

<400> 135
gcgtcgacgc tggcagagcc acaccccaag tgcctgtgcc cagagggctt cagtcagctg 60
ctcactcctc cagggcactt ttaggaaagg gtttttagct agtgtttttc ctcgctttta 120
atgacctcag ccccgcctgc agtggctaga agccagcagg tgcccatgtg ctactgacaa 180
gtgcctcagc ttcccccccgg cccgggtcag gccgtgggag ccgctattat ctgcgttctc 240
tgccaaagac tcgtgggggc catcacacct gccctgtgca gcggagccgg accaggctct 300
tgtgtcctca ctcaggtttg cttcccctgt gcccactgct gtatgatctg ggggccacca 360
ccctgtgccg gtggcctctg ggctgcctcc cgtggt 396

<210> 136
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 185, 188, 191, 193, 396
<223> n = A,T,C or G

<400> 136
ttatgcttcc ggctcgtntg ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa 60
acagctatga ccatgattac gccaagctat ttaggtgaca ctatagaata ctcaagctat 120
gcatcaagct tggtaccgag ctcggatcca ctagtaacgg ccgccagtgt gctggaattc 180
gcggncgntc nantctagag ggcccgttta aacccgctga tcagcctcga ctgtgccttc 240

tagttgccag ccatctgttg tttgcccctc ccccgtgcct tccttgaccc tggaaggtgc 300
cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 360
tcattctatt ctgggggggtg gggtggggca ggacan 396

<210> 137
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 156, 216
<223> n = A,T,C or G

<400> 137
ttttttttttt ttctgctttg tacttgagtt tatttcacaa aaccacggag aaagatactg 60
aaatggagct ctttccagcc tccaagcaag gaggccccag cagccagtct ccagcccctt 120
gagccctttt tgttaggccc acacccaaaa gagganaacc agtgtgtgcg cgaaggtaca 180
tggcaaggca cttttgaaaa catcccagtt taccgnggtg aaattgaact tactctgaaa 240
cagatgaaaa gggacatgca aaattgctga gcacatggag gtgtttgtta gtaggtgaaa 300
atcatgtcct gggtataacc cagcttctcc aggttagggt gagccgccgt ctggatcagt 360
ggtggcgggc cacacaccag gatgagcgtg gacttc 396

<210> 138
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 69, 136, 265, 272
<223> n = A,T,C or G

<400> 138
ccctttttttt ttttttttac aaatgagaaa aatgtttatt aagaaaacaa tttagcagct 60
ctcctttana attttacaga ctaaagcaca acccgaaggc aattacagtt tcaatcatta 120
acacactact taaggngctt gcttactcta caactggaaa gttgctgaag tttgtgacat 180
gccactgtaa atgtaagtat tattaaaaat tacaaattgt ttggtgatta ttttgatgac 240
ctcttgagca gcagctcccc ccaanaatgc ancaatggta tgtggctcac cagctccata 300
tcggcaaaat tcgtggacat aatcatcttt caccattaca gataaaccat attcctgaag 360
gaagccagtg agacaagact tcaactttcc tatatc 396

<210> 139
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 51, 105, 126, 147, 210, 212, 236, 241, 258, 263, 348
<223> n = A,T,C or G

<400> 139
ccgccctttt ttttttttttt ttcacaaaag cacttttttat ttgaggcaaa nagaagtctt 60

gctgaaagga ttccagttcc aagcagtcaa aactcaaccg ttagnggcac tattttgacc 120
tggtanattt tgcttctctt tggtcanaaa agggtattca ggttgtactt tccccagcag 180
ggtaaaaaga agggcaaagc aaactggaan anacttctac tctactgaca gggctnttga 240
natccaacat caagctanac acncccctcgc tggccactct acaggttgct gtcccactgc 300
tgagtgacac aggccatact acatttgcaa ggaaaaaaat gaggcaanaa acacaggtat 360
aggtcacttg gggacgagca ggcaaccaca gcttca 396

<210> 140
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 50, 60, 63, 100, 133, 135, 172, 183, 190, 196, 220, 240,
262, 266, 273, 278, 293, 327, 332, 341, 348, 355, 380, 391
<223> n = A,T,C or G

<400> 140
ttttttttt ttttttttt tttttttctc atttaacttt tttaatgggn ctcaaaattn 60
tgngacaaat ttttggtcaa gttgtttcca ttaaaaagtn ctgattttaa aaactaataa 120
cttaaaactg ccncncccaa aaaaaaaaac caaaggggtc cacaaaacat tntccttcc 180
ttntgaaggn tttacnatgc attgttatca ttaaccagtn ttttactact aaacttaaan 240
ggccaattga aacaaacagt tntganaccg ttnttccncc actgattaaa agnggggggg 300
caggtattag ggataatatt catttancct tntgagcttt ntgggcanac ttggngacct 360
tgccagctcc agcagccttn ttgtccactg ntttga 396

<210> 141
<211> 396
<212> DNA
<213> Homo sapiens

<400> 141
acgccgagcc acatcgctca gacaccatgg ggaaggtgaa ggtcggagtc aacggatttg 60
gtcgtattgg gcgcctggtc accagggctg cttttaactc tggtaaagtg gatattgttg 120
ccatcaatga ccccttcatt gacctcaact acatggttta catgttccaa tatgattcca 180
cccatggcaa attccatggc accgtcaagg ctgagaacgg gaagcttgtc atcaatggaa 240
atcccatcac catcttccag gagcgagatc cctccaaaat caagtggggc gatgctggcg 300
ctgagtacgt cgtggagtcc actggcgtct tcaccaccat ggagaaggct ggggctcatt 360
tgcaggggg agccaaaagg gtcatcatct ctgccc 396

<210> 142
<211> 396
<212> DNA
<213> Homo sapiens

<400> 142
acgcaggaga ggaagcccag cctgttctac cagagaactt gcccaggtca gaggtctgcg 60
tagaagccct tttctgagca tcctctcctc tcctcacacc tgccactgtc ctctgcgttg 120
ctgtcgaatt aaatcttgca tcaccatggt gcacttctgt ggcctactca ccctccaccg 180
ggagccagtg ccgctgaaga gtatctctgt gagcgtgaac atttacgagt ttgtggctgg 240
tgtgtctgca actttgaact acgagaatga ggagaaagtt cctttggagg ccttctttgt 300
gttccccatg gatgaagact ctgctgttta cagctttgag gccttggtgg atgggaagaa 360
aattgtagca gaattacaag acaagatgaa ggcccg 396

<210> 143
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 19, 48, 69, 122, 183, 227, 332, 390
<223> n = A,T,C or G

<400> 143
ttttttttt tttccatana aaataggatt tattttcaca tttaaggnga acacaaatcc 60
atgttccana aatgttttat gcataacaca tcatgagtag attgaatttc tttaacacac 120
anaaaaatca aagcctacca ggaaatgctt ccctccggag cacaggagct tacaggccac 180
ttntgttagc aacacaggaa ttcacattgt ctaggcacag ctcaagngag gtttgttccc 240
aggttcaact gctcctaccc ccatgggccc tcctcaaaaa cgacagcagc aaaccaacag 300
gcttcacagt aaccaggagg aaagatctca gnggggggaac cttcacaaaa gccctgagtt 360
gtgtttcaaa agccaagctc tggggtctgn ggcctg 396

<210> 144
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 221, 331
<223> n = A,T,C or G

<400> 144
ttttttttt tttcgctctt tggtctgaca agaaaagagt tttaggtgtg tgaagtaggg 60
tgggaaaaaa ggtcagtttc aaattcagta acatatggta acactaagtt aggctgctgc 120
attcttttct ttgggtactt aagccagctg gcacttccac tttgtaacca attatattat 180
gatcaacaac taatcagtta gttcctcagc ttcaactgaa nagttcctga ttacctgatg 240
aaggacatac ttgctctggc ttcaattagc atgctgtcaa gcatccctct ccatgcttaa 300
catggcaaca caaaacccaa gagtccttct nttttttttca ttagccatga ataaacactc 360
acaaagggga agagtagaca ctgcttttag taaacg 396

<210> 145
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 45, 56, 61, 63, 120, 122, 147, 151, 158, 259, 262, 274, 339,
345, 353
<223> n = A,T,C or G

<400> 145
ttttttttt ttttttttcaa tggatccgtt agctttacta ctaanatctt gctganatca 60
nanaagggct tctgggcagg ctgagcactg ggggtgtgca acatggtaac tctgaataan 120
anaaaccctg agttttactg ggcaaanaaa naacaagngg taggtatgat ttctgaacct 180

ggaaatagcg aaaatgaagg aaattccaaa agcgcgtatt tccaaataat gacaggccag 240
caagaggaca ccaaacctnt anaaagaggt attntttctt ccagctactg atggctttgg 300
catcccacag gcacattcct ttggccttca ggatcttana tgcanatgtg ganagtcaag 360
aggtaggctg actctgagtc ttcagctaaa ttcttt 396

<210> 146
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 120, 130, 176, 180, 185, 208, 238, 254, 259, 261, 275, 285,
296, 347
<223> n = A,T,C or G

<400> 146
ttttttttttt ttttcattag caaggaagga tttatttttt cttttgaggg gagggcggaa 60
cagccgggat ttttggaaca ctacctttgt ctttcacttt gttgtttgtg tgttaacacn 120
aataaatcan aagcgacttt aaatctccct tcgcaggact gtcttcacgt atcagngcan 180
acaanaaaac agtggcttta caaaaaanat gttcaagtag gctgcacttt gcctctgngg 240
gtgaggcaca ctgngggana nacaaggtcc cctgnaacca gaggngggaa ggacanagct 300
ggctgactcc ctgctctccc gcattctctc ctccatgtgt tttgaanagg gaagcaacat 360
gttgaggtct gatcatttct acccagggaa cctgtt 396

<210> 147
<211> 396
<212> DNA
<213> Homo sapiens

<400> 147
acggggaagc caagtgaccg tagtctcatc agacatgagg gaatgggtgg ctccagagaa 60
agcagacatc attgtcagtg agcttctggg ctcatttgct gacaatgaat tgtcgcctga 120
gtgcctggat ggagcccagc acttcctaaa agatgatggt gtgagcatcc ccggggagta 180
cacttccttt ctggctccca tctcttcctc caagctgtac aatgaggtcc gagcctgtag 240
ggagaaggac cgtgaccctg aggcccagtt tgagatgcct tatgtggtac ggctgcacaa 300
cttccaccag ctctctgcac cccagccctg tttcaccttc agccatccca acagagatcc 360
tatgattgac aacaaccgct attgcacctt ggaatt 396

<210> 148
<211> 396
<212> DNA
<213> Homo sapiens

<400> 148
acgtcccatg attgttccag accatgactc ttcctggttg tgggtttgtt acagagcagg 60
agaagcagag gttatgacag ttatgcagac tttccccctc ctttttctct tttctcttcc 120
ccttgctttt ccactgtttc ttcctgctgc cacctgggcc ttgaattcct gggctgtgaa 180
gacatgtagc agctgcaggg tttaccacac gtgggagggc agcccagtac tgtccctctg 240
ccttccccac tttgagaata tggcagcccc tttcattcct ggcttggggt aggggagacc 300
attgaagtag aagcctcaaa gcagactttt ccctttactg tgtgtactcc aggacgaaga 360
aggaagatca tgcttgatac ttagattggt tttccc 396

<210> 149

<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 214, 295
<223> n = A,T,C or G

<400> 149
ttttttttt tttaaagagt cacattttat tcaatgccta tttgtacatg ttactagcaa 60
taaactcttt tatctttaat tttgagaagt tttacaaata cagcaaagca gaatgactaa 120
tagagccggt aaccaggaca cagatttgga aaaataggtc taattggttg ttacactgtg 180
tttatgtcat acatttcgct tatttttatc aaanaaaaat cagaatttat aaaatgttaa 240
ttaaaaggaa aacattctga gtaaatttag tcccgtgttt cttcctccaa atctntttgt 300
tctacactaa caggtcagga taagtatgga tggggaggct ggaaaaaggg catccttccc 360
catgcggtcc ccagagccac cctctccaag caggac 396

<210> 150
<211> 396
<212> DNA
<213> Homo sapiens

<400> 150
acgcctctct tcagttggca cccaaacatc tggattggca aatcagtggc aagaagttcc 60
agcatctgga cttttcagaa ttgatcttaa gtctactgtc atttccagat gcattatttt 120
acaactgtat ccttggaaat atatttctag ggagaatatt attgaagaaa atgttaatag 180
cctgagtcaa atttcagcag acttaccagc atttgtatca gtggtagcaa atgaagccaa 240
actgtatctt gaaaaacctg ttgttccttt aaatatgatg ttgccacaag ctgcattgga 300
gactcattgc agtaatattt ccaatgtgcc acctacaaga gagatacttc aagtctttct 360
tactgatgta cacatgaagg aagtaattca gcagtt 396

<210> 151
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 146, 299, 332
<223> n = A,T,C or G

<400> 151
acaaaatgcc cagcctacag agtctgagaa ggaaatttat aatcaggtga atgtagtatt 60
aaaagatgca gaaggcatct tggaggactt gcagtcatac agaggagctg gccacgaaat 120
acgagaggca atccagcatc cagcanatga gaagttgcaa gagaaggcat ggggtgcagt 180
tgttccacta gtaggcaaat taaagaaatt ttacgaattt tctcagaggt tagaagcagc 240
attaagaggt cttctgggag ccttaacaag taccccatat tctcccaccc agcatctana 300
gcgagagcag gctcttgcta aacagtttgc anaaattctt catttcacac tccggtttga 360
tgaactcaag atgacaaatc ctgccataca gaatga 396

<210> 152
<211> 396
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 249
<223> n = A,T,C or G

<400> 152
acgcagcgct cggcttcctg gtaattcttc acctcttttc tcagctccct gcagcatggg 60
tgctgggccc tccttgctgc tcgccgccct cctgctgctt ctctccggcg acggcgccgt 120
gcgctgcgac acacctgcca actgcaccta tcttgacctg ctgggcacct gggtcttcca 180
ggtgggctcc agcggttccc agcgcgatgt caactgctcg gttatgggac cacaagaaaa 240
aaaagtagng gtgtaccttc agaagctgga tacagcatat gatgaccttg gcaattctgg 300
ccatttcacc atcatttaca accaaggctt tgagattgtg ttgaatgact acaagtggtt 360
tgccttttt aagtataaag aagagggcag caaggt 396

<210> 153
<211> 396
<212> DNA
<213> Homo sapiens

<400> 153
ccagagacaa cttcgcggtg tggtgaactc tctgaggaaa aacacgtgcg tggcaacaag 60
tgactgagac ctagaaatcc aagcgttgga ggtcctgagg ccagcctaag tcgcttcaaa 120
atggaacgaa ggcgtttgcg gggttccatt cagagccgat acatcagcat gagtgtgtgg 180
acaagcccac ggagacttgt ggagctggca gggcagagcc tgctgaagga tgaggccctg 240
gccattgccg ccctggagtt gctgcccagg gagctcttcc cgccactctt catggcagcc 300
tttgacggga gacacagcca gaccctgaag gcaatggtgc aggcctggcc cttcacctgc 360
ctccctctgg gagtgctgat gaagggacaa catctt 396

<210> 154
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 42, 45, 59, 82
<223> n = A,T,C or G

<400> 154
acagcaaacc tcctcacagc ccactggtcc tcaagagggg cnacntcttc acacatcanc 60
acaactacgc attgcctccc tncactcgga aggactatcc tgctgccaag agggtcaagt 120
tggacagtgt cagagtcctg agacagatca gcaacaaccg aaaatgcacc agccccaggt 180
cctcggacac cgaggagaat gtcaagaggc gaacacacaa cgtcttggag cgccagagga 240
ggaacgagct aaaacggagc ttttttgccc tgcgtgacca gatcccggag ttggaaaaca 300
atgaaaaggc ccccaaggta gttatcctta aaaaagccac agcatacatc ctgtccgtcc 360
aagcagagga gcaaaagctc atttctgaag aggact 396

<210> 155
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 17, 202, 280, 339
<223> n = A,T,C or G

<400> 155
ttttttttttt tgaananaca ggtctttaat gtacggagtc tcacaaggca caaacaccct 60
caccaggacc aaataaataa ctccacggtt gcaggaaggc gcggtctggg gaggatgcgg 120
catctgagct ctcccagggc tggtgggcga gccgggggtc tgcagtctgt gaggggcctc 180
ctgggtgtgt ccgggcctct anagcgggtc cagtctccag gatggggatc gctcactcac 240
tctccgagtc ggagtagtcc gccacgaggg aggagccgan actgcagggg tgccgcgtgt 300
cgggggtgtc agctgcctcc tgggaggagc ctgctggcna caggggcttg tcctgacggc 360
tcccttcctg ccccctcggg ctgctgcact tggggg 396

<210> 156
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 30, 32, 37, 309, 332
<223> n = A,T,C or G

<400> 156
gaaggggggc ngggcagggg cggaatgtan anattantgc catgattgaa gatttaagaa 60
acgtgagatt caggattttc accacatccc catttagtta gcttgctcgt ttggctggtg 120
caaatgccag atggattatg aacaatgaca gtaaattaat gcaacataat caggtaatga 180
tgccaagcgt atctggtgtt ccaggtattg tacctttacc ggaacaaatc agtaaatcca 240
caatccctgg cacctgttag gcagctatta acctagtaaa tgctccccca tcccatctca 300
atcagcaang acaatcaaaa acatttgctt tnagtggcag gaacactggt acatttttac 360
ttgctccaag ggctgtgcca acgctccctc tctctg 396

<210> 157
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 121, 202, 204, 255, 314, 332, 368
<223> n = A,T,C or G

<400> 157
ttttttttttt tttttgggga atgtaaatct tttattaaaa cagttgtctt tccacagtag 60
taaagctttg gcacatacag tataaaaaat aatcacccac cataattata ccaaattcct 120
nttatcaact gcatactaag tgttttcaat acaatttttt ccgtataaaa atactgggaa 180
aaattgataa ataacaggta ananaaagat atttctaggc aattactagg atcatttgga 240
aaaagtgagt actgnggata tttaaaatat cacagtaaca agatcatgct tgttcctaca 300
gtattgcggg ccanacactt aagtgaaagc anaagtgttt gggtgacttt cctacttaaa 360
attttggnca tatcatttca aaacatttgc atcttg 396

<210> 158
<211> 396

<212> DNA
<213> Homo sapiens

<400> 158
tttccgaaga cgggcagctt cagagaagag gattattcgg gagattgctg gtgtggccca 60
tagactcttt ggcatagact ctttcgcagg cagccactct gagtgtggcc agttctataa 120
ccatccccaa actagctgga gcctgatgga taggaacggg tagtctgtcc tcttccccat 180
aaaaatgttc caaaaagtta tctccagaga gagtccctta tgaagacagt tgccaagctg 240
tattctcatt ctttaaacca atacccaggt cagggctagt tcacactagc actgttaggg 300
acatggtgtg gctagaaatg aattgagtgt gacttctccc tacaacccca ggcccaggga 360
taggaggagg cagaggggtg cctggagttt ctgcac 396

<210> 159
<211> 396
<212> DNA
<213> Homo sapiens

<400> 159
tccgcgcgtt gggaggtgta gcgcggctct gaacgcgctg agggccgttg agtgtcgcag 60
gcggcgaggg cgcgagtgag gagcagaccc aggcatcgcg cgccgagaag gccgggcgtc 120
cccacactga aggtccggaa aggcgacttc cgggggcttt ggcacctggc ggaccctccc 180
ggagcgtcgg cacctgaacg cgaggcgctc cattgcgcgt gcgcgttgag gggcttcccg 240
cacctgatcg cgagacccca acggctggtg gcgtcgcctg cgcgtctcgg ctgagctggc 300
catggcgcag ctgtgcgggc tgaggcggag ccgggcgttt ctcgccctgc tgggatcgct 360
gctcctctct ggggtcctgg cggccgaccg agaacg 396

<210> 160
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 96, 102, 122, 124, 129, 146, 148, 184, 189, 196, 205, 208,
229, 246, 259, 261, 269, 272, 281, 297, 305, 308, 327, 331,
337, 338, 339, 343, 346, 354, 366, 367, 369, 378, 379, 380,
381, 391, 395
<223> n = A,T,C or G

<400> 160
ggaaaccttc tcaactaaga gaacatcatt tctggcaaac tatttttgtt agctcacaat 60
atatgtcgta cactctacaa tgtaaatagc actganccac ancttacaga aggtaaaaag 120
angnataana acttccttta caaaanantt cctgttgttc ttaatactcc ccattgctta 180
tganaattnt ctatangtct ctcangantg ttcgcaccca tttcttttnt aacttctact 240
aaaaanccat ttacattgna nagtgtacna cntatatttg ngagctaaca aaaaatngtt 300
ttccnganat gatgttcttt tagtttnaga nggttcnnnc aanttnctac tccngcccgc 360
cactgnncnc cacatttnnn naattacacc ncacng 396

<210> 161
<211> 396
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 271, 273, 325, 364
<223> n = A,T,C or G

<400> 161
tttttgtttg attatttta ttataatgaa attaaactta tgactattac agtatgctca 60
gcttaaaaca tttatgagta ctgcaaggac taacagaaac aggaaaaatc ctactaaaaa 120
tatttgttga tgggaaatca ttgtgaaagc aaacctccaa atattcattt gtaagccata 180
agaggataag cacaaccata tgggaggaga taaccagtct ctcccttcat atatattctt 240
ttttatttct tggtatacct tcccaaaaca nanacattca acagtagtta gaatggccat 300
ctcccaacat tttaaaaaaa ctgcncccccc caatgggtga acaaagtaaa gagtagtaac 360
ctanagttca gctgagtaag ccactgtgga gcctta 396

<210> 162
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 33, 38, 51, 62, 71, 72, 88, 97, 98, 100, 106, 142, 155, 160,
161, 163, 168, 170, 174, 183, 190, 194, 203, 214, 216, 231,
232, 241, 242, 252, 258, 260, 264, 265, 267, 276, 278, 282,
287, 289, 292, 295, 297, 301, 311, 319, 322, 325
<223> n = A,T,C or G

<221> misc_feature
<222> 330, 337, 341, 342, 347, 348, 354, 356, 361, 367, 368, 375,
379, 385, 391, 394, 395
<223> n = A,T,C or G

<400> 162
ttttttttttt ttttttttttt ttttttttttt ttnggggncc aaatttttttt ntttgaagga 60
angggacaaa nnaaaaaact taaggggntg ttttggnncn acttanaaaa aagggaaagg 120
aaaccccaac atgcatgccc tnccttgggg accanggaan ncncccccncn ggtntgggga 180
aantaacccn aggnttaact ttnattatca ctgncnccca gggggggctt nnaaaaaaaa 240
nnttccccca anccaaantn gggnncnccc attttncnca anttggncnc cnggncnccc 300
nattttttga ngggtttcnc cngcncattn agggaanggg nntcaannaa accncncaaa 360
ngggggnnat ttttntcang ggccnatttg ngcnnt 396

<210> 163
<211> 396
<212> DNA
<213> Homo sapiens

<400> 163
cactgtccgg ctctaacaca gctattaagt gctacctgcc tctcaggcac tctcctcgcc 60
cagtttctga ggtcagacga gtgtctgcga tgtcttcccg cactctattc ccccagcctc 120
tttctgcttt catgctcagc acatcatctt cctaggcagt ctcttcccca aagtctcacc 180
ttttcttcca atagaaaatt ccgcttgacc tttggtgcac tgcccacttc ccagctccac 240
tggcccaagt ctgagccgga ggcccttgtt ttgggggcgg ggggagagtt ggatgtgatt 300
gcccttgaag aacaaggctg acctgagagg ttcctggcgc cctgaggtgg ctcagcacct 360
gcccagggta ggcctggcat gaggggttag gtcagc 396

<210> 164
<211> 396
<212> DNA
<213> Homo sapiens

<400> 164
gacacgcggc ggtgtcctgt gttggccatg gccgactacc tgattagtgg gggcacgtcc 60
tacgtgccag acgacggact cacagcacag cagctcttca actgcggaga cggcctcacc 120
tacaatgact ttctcattct ccctgggtac atcgacttca ctgcagacca ggtggacctg 180
acttctgctc tgaccaagaa aatcactctt aagaccccac tggtttcctc tcccatggac 240
acagtcacag aggctgggat ggccatagca atggcgctta caggcggtat tggcttcatc 300
caccacaact gtacacctga attccaggcc aatgaagttc ggaaagtgaa gaaatatgaa 360
cagggattca tcacagaccc tgtggtcctc agcccc 396

<210> 165
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 33, 55, 57, 65, 77, 82, 87, 98, 101, 103, 114, 118, 124,
169, 171, 173, 183, 186, 188, 216, 219, 227, 230, 242, 243,
245, 252, 265, 273, 290, 296, 321, 324, 332, 338, 340, 342,
345, 359, 372, 380
<223> n = A,T,C or G

<400> 165
ttttttttttt ttttttttttt ttttttcang ggncactgag gctttttatt ttgancncaa 60
aaccnccggg gatctancct gnggccnccc cggaaatnac ncnaggctca catnactnta 120
aacncttggg ggaaagggag gcaaaaaaaa caatgacttg ggccaattnc ncnactgcaa 180
agntananct gccaacaggg ctccagggag cttggnttnt gtaaaanttn taaggaagcg 240
gnncnaactc cncgggggggg gggcnctaac tancagggac ccctgcaagn gttggncggg 300
ggcctcaacc tgcctgagct nacncaaggg gnggggtntn tntanccaac aggggaccna 360
agggcttgcc tncccacagn ttacttggcc aagggg 396

<210> 166
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 151, 255
<223> n = A,T,C or G

<400> 166
ttttttcaaa ttcagagcat ttttattaaa agaacaaaat attaaggcac aaaatacatc 60
aatttttcaa atgaaaaccc ttcaaacggt tatgtcctac attcaacgaa acttcttcca 120
aattacggaa taatttaact ttttaaaata naaaaataca agttcttaaa tgcctaaaat 180
ttctccccaa ataaatgttt tcttagtttt aatgaagtct cttcatgcag tactgagctc 240
caatattata atgtncactt ccttaaaaat ctagttttgc cacttatata cattcaatat 300
gtttaaccag tatattaacc agtatattaa ccaatatgtt aaacttcttt taagtataag 360
gcttggtatt ttgtattgct tattgcatgc tttgat 396

<210> 167
<211> 396
<212> DNA
<213> Homo sapiens

<400> 167
tggcggcagc ggcggtggcg gtggctgagc agaggacccg gcgggcggcc tcgcgggtca 60
ggacacaatg tttgcacgag gactgaagag gaaatgtgtt ggccacgagg aagacgtgga 120
gggagccctg gccggcttga agacagtgtc ctcatacagc ctgcagcggc agtcgctcct 180
ggacatgtct ctggtgaagt tgcagctttg ccacatgctt gtggagccca atctgtgccg 240
ctcagtcctc attgccaaca cggtccggca gatccaagag gagatgacgc aggatgggac 300
gtggcgcaca gtggcacccc aggctgcaga gcgggcgccg ctcgaccgct tggtctccac 360
ggagatcctg tgccgtgcag cgtgggggca agaggg 396

<210> 168
<211> 396
<212> DNA
<213> Homo sapiens

<400> 168
taggatggta agagtattat aaggattggt acaaggcatg atgagtcctt ttgcttttag 60
gcttttgact tctggtttta gactttcttt agcttctgtt gttagacaac attgtgcaag 120
cttggttttt ataagtttgc atggattaaa ctgaacttaa tgaaattgtc cctcccccca 180
aattctcagc acaattttta ggcccacaag gagtcaagca cctcaaggag atcttcagtt 240
tgaacttggt gtagacacag ggatactgat gaatcaatat tcaaattagc tgttacctac 300
ttaagaaaga gaggagacct tggggatttc gaggaagggt tcataaggga gattttagct 360
gagaaatacc atttgcacag tcaatcactt ctgacc 396

<210> 169
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16, 58, 76, 84, 99, 111, 114, 124, 136, 140, 161, 167, 184,
189, 204, 206, 210, 228, 230, 232, 243, 275, 277, 289, 301,
303, 312, 319, 321, 323, 325, 333, 345, 349, 355, 359, 364,
365, 372, 375, 377, 379, 383, 387, 389, 394, 396
<223> n = A,T,C or G

<400> 169
ttttttttttt tttcanaatt aaattcttta atacaaaatg ctttttttttt tttaaaanat 60
atctgtattt ctttgncgtt gttnaaaaat aaatatgtnc tacggaatat ntcnaaaaac 120
tgcnctaaaa acaaanacgn gatgttaata tcttttcccc ncaattntta cggataaaca 180
gtancccena taaataaatg atancnaatn ttaaaattaa aaaagganan anatttagta 240
tgnaaaattc tctatttttt cttggtttgg ttttnentat aaaaaacana atagcaatgt 300
ntnttttatc anaatcccnt ntntncctaa acnttttttt ttttntttnc ccccnaatnc 360
aagnngccaa anatntntnt agnatgnana tgtntn 396

<210> 170
<211> 396
<212> DNA

<213> Homo sapiens

<400> 170
tgagaagtac catgccgctt ctgcagagga acaggcaacc atcgaacgca acccctacac 60
catcttccat caagcactga aaaactgtga gcctatgatt gggctggtac ccatcctcaa 120
gggaggccgt ttctaccagg tccctgtacc cctacccgac cggcgtcgcc gcttcctagc 180
catgaagtgg atgatcactg agtgccggga taaaaagcac cagcggacac tgatgccgga 240
gaagctgtca cacaagctgc tggaggcttt ccataaccag ggccccgtga tcaagaggaa 300
gcatgacttg cacaagatgg cagaggccaa ccgtgccctg gcccactacc gctggtggta 360
gagtctccag gaggagccca gggccctctg cgcaag 396

<210> 171
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 133, 224, 260, 264, 268, 279, 283, 317, 322, 338, 360, 370,
371, 378
<223> n = A,T,C or G

<400> 171
ggtcctcgtc gtggtgagcg cagccactca ggctggtcct gggggtgggg ctgtagggga 60
aagtgctaaa gccgctgagt gaagtaagaa ctctgctaga gaggaaaatg ggcttgcttt 120
catcatcatc ctnctcagct ggtggggtca agtgggaagt tctgtcactg ggatctggtt 180
cagtgtctca agaccttgcc ccaccacgga aagccttttt cacntacccc aaaggacttg 240
gagagatgtt agaagatggn tctnaaanat tcctctgcna atntgttttt agctatcaag 300
tggcttcccc ccttaancag gnaaaacatg atcagcangt tgctcggatg gaaaaactan 360
cttggtttgn naaaaaanct ggaggcttga caatgg 396

<210> 172
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 239, 242, 244, 246, 249, 257, 260, 314, 329, 355, 372, 378,
385, 387, 388, 395
<223> n = A,T,C or G

<400> 172
agccttgggc caccctcttg gagcatctgg ctgtcgaatt cttgtgaccc tgttacacac 60
actggagaga atgggcagaa gtcgtggtgt tgcagccctg tgcattgggg gtgggatggg 120
aatagcaatg tgtgttcaga gagaatgaat tgcttaaact ttgaacaacc tcaatttctt 180
tttaaactaa taaagtacta ggttgcaata tgtgaaaaaa aaaaaaaaag ggcggccgnt 240
cnantntana gggcccnttn aaacccgttg atcaacctcg actgtgcctt ctagttgcca 300
gccatctgtt gttngccccc ccccccgtgnc tttcttgacc ttgaaagggg ccccncccct 360
gtctttccta anaaaaanga agaantnncc ttccnt 396

<210> 173
<211> 396
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 209, 210, 232, 244, 270, 275, 284, 341, 343, 349, 359, 364, 368, 376, 380, 382, 388, 389, 390, 392
<223> n = A,T,C or G

<400> 173
aagcatgtgg atatgtttag ctacgtttac tcacagccag cgaactgaca ttaaaataac 60
taacaaacag attcttttat gtgatgctgg aactcttgac agctataatt attattcaga 120
aatgactttt tgaaagtaaa agcagcataa agaatttgtc acaggaaggc tgtctcagat 180
aaattatggt aaaatttttgc aggggacann ctttttaaga cttgcacaat tnccggatcc 240
tgcnctgact ttggaaaagg catatatgtn ctagnggcat gganaatgcc ccatactcat 300
gcatgcaaat taaacaacca agtttgaatc tttttggggg ngngctatnc tttaacccng 360
tacnggcntt attatntaan gnccctgnnn cntgtg 396

<210> 174
<211> 924
<212> DNA
<213> Homo sapiens

<400> 174
cctgacgacc cggcgacggc gacgtctctt ttgactaaaa gacagtgtcc agtgctccag 60
cctaggagtc tacggggacc gcctcccgcg ccgccaccat gcccaacttc tctggcaact 120
ggaaaatcat ccgatcggaa aacttcgagg aattgctcaa agtgctgggg gtgaatgtga 180
tgctgaggaa gattgctgtg gctgcagcgt ccaagccagc agtggagatc aaacaggagg 240
gagacacttt ctacatcaaa acctccacca ccgtgcgcac cacagagatt aacttcaagg 300
ttggggagga gtttgaggag cagactgtgg atgggaggcc ctgtaagagc ctggtgaaat 360
gggagagtga gaataaaatg gtctgtgagc agaagctcct gaagggagag ggccccaaga 420
cctcgtggac cagagaactg accaacgatg gggaactgat cctgaccatg acggcggatg 480
acgttgtgtg caccagggtc tacgtccgag agtgagtggc cacaggtaga accgcggccg 540
aagcccacca ctggccatgc tcaccgccct gcttcactgc cccctccgtc ccacccccтc 600
cttctaggat agcgctcccc ttaccccagt cacttctggg ggtcactggg atgcctcttg 660
cagggtcttg ctttctttga cctcttctct cctcccctac accaacaaag aggaatggct 720
gcaagagccc agatcaccca ttccgggttc actccccgcc tccccaagtc agcagtccta 780
gccccaaacc agcccagagc agggtctctc taaaggggac ttgagggcct gagcaggaaa 840
gactggccct ctagcttcta ccctttgtcc ctgtagccta tacagtttag aatatttatt 900
tgttaatttt attaaaatgc ttta 924

<210> 175
<211> 3321
<212> DNA
<213> Homo sapiens

<400> 175
atgaagattt tgatacttgg tatttttctg tttttatgta gtaccccagc ctgggcgaaa 60
gaaaagcatt attacattgg aattattgaa acgacttggg attatgcctc tgaccatggg 120
gaaaagaaac ttatttctgt tgacacggaa cattccaata tctatcttca aaatggccca 180
gatagaattg ggagactata taagaaggcc ctttatcttc agtacacaga tgaaaccttt 240
aggacaacta tagaaaaacc ggtctggctt gggtttttag gccctattat caaagctgaa 300
actggagata aagtttatgt acacttaaaa aaccttgcct ctaggcccta caccтttcat 360
tcacatggaa taacttacta taaggaacat gaggggcca tctaccctga taacaccaca 420
gattttcaaa gagcagatga caaagtatat ccaggagagc agtatacata catgttgctt 480

gccactgaag aacaaagtcc tggggaagga gatggcaatt gtgtgactag gatttaccat 540
tcccacattg atgctccaaa agatattgcc tcaggactca tcggaccttt aataatctgt 600
aaaaaagatt ctctagataa agaaaaagaa aaacatattg accgagaatt tgtggtgatg 660
ttttctgtgg tggatgaaaa tttcagctgg tacctagaag acaacattaa aacctactgc 720
tcagaaccag agaaagttga caaagacaac gaagacttcc aggagagtaa cagaatgtat 780
tctgtgaatg gatacacttt tggaagtctc ccaggactct ccatgtgtgc tgaagacaga 840
gtaaaatggt acctttttgg tatgggtaat gaagttgatg tgcacgcagc tttctttcac 900
gggcaagcac tgactaacaa gaactaccgt attgacacaa tcaacctctt tcctgctacc 960
ctgtttgatg cttatatggt ggcccagaac cctggagaat ggatgctcag ctgtcagaat 1020
ctaaaccatc tgaaagccgg tttgcaagcc tttttccagg tccaggagtg taacaagtct 1080
tcatcaaagg ataatatccg tgggaagcat gttagacact actacattgc cgctgaggaa 1140
atcatctgga actatgctcc ctctggtata gacatcttca ctaaagaaaa cttaacagca 1200
cctggaagtg actcagcggt gttttttgaa caaggtacca caagaattgg aggctcttat 1260
aaaaagctgg tttatcgtga gtacacagat gcctccttca caaatcgaaa ggagagaggc 1320
cctgaagaag agcatcttgg catcctgggt cctgtcattt gggcagaggt gggagacacc 1380
atcagagtaa ccttccataa caaaggagca tatcccctca gtattgagcc gattggggtg 1440
agattcaata agaacaacga gggcacatac tattccccaa attacaaccc ccagagcaga 1500
agtgtgcctc cttcagcctc ccatgtggca cccacagaaa cattcaccta tgaatggact 1560
gtccccaaag aagtaggacc cactaatgca gatcctgtgt gtctagctaa gatgtattat 1620
tctgctgtgg atcccactaa agatatattc actgggctta ttgggccaat gaaaatatgc 1680
aagaaaggaa gtttacatgc aaatgggaga cagaaagatg tagacaagga attctatttg 1740
tttcctacag tatttgatga gaatgagagt ttactcctgg aagataatat tagaatgttt 1800
acaactgcac ctgatcaggt ggataaggaa gatgaagact ttcaggaatc taataaaatg 1860
cactccatga atggattcat gtatgggaat cagccgggtc tcactatgtg caaaggagat 1920
tcggtcgtgt ggtacttatt cagcgccgga aatgaggccg atgtacatgg aatatacttt 1980
tcaggaaaca catatctgtg gagaggagaa cggagagaca cagcaaacct cttccctcaa 2040
acaagtctta cgctccacat gtggcctgac acagagggga cttttaatgt tgaatgcctt 2100
acaactgatc attacacagg cggcatgaag caaaaatata ctgtgaacca atgcaggcgg 2160
cagtctgagg attccacctt ctacctggga gagaggacat actatatcgc agcagtggag 2220
gtggaatggg attattcccc acaaagggag tgggaaaagg agctgcatca tttacaagag 2280
cagaatgttt caaatgcatt tttagataag ggagagtttt acataggctc aaagtacaag 2340
aaagttgtgt atcggcagta tactgatagc acattccgtg ttccagtgga gagaaaagct 2400
gaagaagaac atctgggaat tctaggtcca caacttcatg cagatgttgg agacaaagtc 2460
aaaattatct ttaaaaacat ggccacaagg ccctactcaa tacatgccca tggggtacaa 2520
acagagagtt ctacagttac tccaacatta ccaggtgaaa ctctcactta cgtatggaaa 2580
atcccagaaa gatctggagc tggaacagag gattctgctt gtattccatg ggcttattat 2640
tcaactgtgg atcaagttaa ggacctctac agtggattaa ttggcccccc gattgtttgt 2700
cgaagacctt acttgaaagt attcaatccc agaaggaagc tggaatttgc ccttctgttt 2760
ctagtttttg atgagaatga atcttggtac ttagatgaca acatcaaaac atactctgat 2820
caccccgaga aagtaaacaa agatgatgag gaattcatag aaagcaataa aatgcatgct 2880
attaatggaa gaatgtttgg aaacctacaa ggcctcacaa tgcacgtggg agatgaagtc 2940
aactggtatc tgatgggaat gggcaatgaa atagacttac acactgtaca ttttcacggc 3000
catagcttcc aatacaagca caggggagtt tatagttctg atgtctttga cattttccct 3060
ggaacatacc aaaccctaga aatgtttcca agaacacctg gaatttggtt actccactgc 3120
catgtgaccg accacattca tgctggaatg gaaaccactt acaccgttct acaaaatgaa 3180
gacaccaaat ctggctgaat gaaataaatt ggtgataagt ggaaaaaaga gaaaaaccaa 3240
tgattcataa caatgtatgt gaaagtgtaa aatagaatgt tactttggaa tgactataaa 3300
cattaaaaga gactggagca t 3321

<210> 176
<211> 487
<212> DNA
<213> Homo sapiens

<400> 176
gaaatacttt ctgtcttatt aaaattaata aattattggt ctttacaaga cttggataca 60
ttacagcaga catggaaata taattttaaa aaatttctct ccaacctcct tcaaattcag 120
tcaccactgt tatattacct tctccaggaa ccctccagtg gggaaggctg cgatattaga 180
tttccttgta tgcaaagttt ttgttgaaag ctgtgctcag aggaggtgag aggagaggaa 240
ggagaaaact gcatcataac tttacagaat tgaatctaga gtcttccccg aaaagcccag 300
aaacttctct gcagtatctg gcttgtccat ctggtctaag gtggctgctt cttccccagc 360
catgagtcag tttgtgccca tgaataatac acgacctgtt atttccatga ctgctttact 420
gtatttttaa ggtcaatata ctgtacattt gataataaaa taatattctc ccaaaaaaaa 480
aaaaaaa 487

<210> 177
<211> 3999
<212> DNA
<213> Homo sapiens

<400> 177
caagattcca catttgatgg ggtgactgac aaacccatct tagactgctg tgcctgcgga 60
actgccaagt acagactcac attttatggg aattggtccg agaagacaca cccaaaggat 120
taccctcgtc gggccaacca ctggtctgcg atcatcggag gatcccactc caagaattat 180
gtactgtggg aatatggagg atatgccagc gaaggcgtca aacaagttgc agaattgggc 240
tcacccgtga aaatggagga agaaattcga caacagagtg atgaggtcct caccgtcatc 300
aaagccaaag cccaatggcc agcctggcag cctctcaacg tgagagcagc accttcagct 360
gaattttccg tggacagaac gcgccattta atgtccttcc tgaccatgat gggccctagt 420
cccgactgga acgtaggctt atctgcagaa gatctgtgca ccaaggaatg tggctgggtc 480
cagaaggtgg tgcaagacct gattccctgg gacgctggca ccgacagcgg ggtgacctat 540
gagtcaccca acaaacccac cattccccag gagaaaatcc ggcccctgac cagcctggac 600
catcctcaga gtcctttcta tgacccagag ggtgggtcca tcactcaagt agccagagtt 660
gtcatcgaga gaatcgcacg gaagggtgaa caatgcaata ttgtacctga caatgtcgat 720
gatattgtag ctgacctggc tccagaagag aaagatgaag atgacacccc tgaaacctgc 780
atctactcca actggtcccc atggtccgcc tgcagctcct ccacctgtga caaaggcaag 840
aggatgcgac agcgcatgct gaaagcacag ctggacctca gcgtcccctg ccctgacacc 900
caggacttcc agccctgcat gggccctggc tgcagtgacg aagacggctc cacctgcacc 960
atgtccgagt ggatcacctg gtcgccctgc agcatctcct gcggcatggg catgaggtcc 1020
cgggagaggt atgtgaagca gttcccggag gacggctccg tgtgcacgct gcccactgag 1080
gaaacggaga agtgcacggt caacgaggag tgctctccca gcagctgcct gatgaccgag 1140
tggggcgagt gggacgagtg cagcgccacc tgcggcatgg gcatgaagaa gcggcaccgc 1200
atgatcaaga tgaaccccgc agatggctcc atgtgcaaag ccgagacatc acaggcagag 1260
aagtgcatga tgccagagtg ccacaccatc ccatgcttgc tgtccccatg gtccgagtgg 1320
agtgactgca gcgtgacctg cgggaagggc atgcgaaccc gacagcggat gctcaagtct 1380
ctggcagaac ttggagactg caatgaggat ctggagcagg tggagaagtg catgctccct 1440
gaatgcccca ttgactgtga gctcaccgag tggtcccagt ggtcggaatg taacaagtca 1500
tgtgggaaag gccacgtgat tcgaacccgg atgatccaaa tggagcctca gtttggaggt 1560
gcaccctgcc cagagactgt gcagcgaaaa aagtgccgca tccgaaaatg ccttcgaaat 1620
ccatccatcc aaaagctacg ctggagggag gcccgagaga gccggcggag tgagcagctg 1680
aaggaagagt ctgaagggga gcagttccca ggttgtagga tgcgcccatg gacggcctgg 1740
tcagaatgca ccaaactgtg cggaggtgga attcaggaac gttacatgac tgtaaagaag 1800
agattcaaaa gctcccagtt taccagctgc aaagacaaga aggagatcag agcatgcaat 1860
gttcatcctt gttagcaagg gtacgagttc cccagggctg cactctagat tccagagtca 1920
ccaatggctg gattatttgc ttgtttaaga caatttaaat tgtgtacgct agttttcatt 1980
tttgcagtgt ggttcgccca gtagtcttgt ggatgccaga gacatccttt ctgaatactt 2040
cttgatgggt acaggctgag tggggcgccc tcacctccag ccagcctctt cctgcagagg 2100
agtagtgtca gccaccttgt actaagctga aacatgtccc tctggagctt ccacctggcc 2160
agggaggacg gagactttga cctactccac atggagaggc aaccatgtct ggaagtgact 2220

atgcctgagt cccagggtgc ggcaggtagg aaacattcac agatgaagac agcagattcc 2280
ccacattctc atctttggcc tgttcaatga aaccattgtt tgcccatctc ttcttagtgg 2340
aactttaggt ctcttttcaa gtctcctcag tcatcaatag ttcctgggga aaaacagagc 2400
tggtagactt gaagaggagc attgatgttg ggtggctttt gttctttcac tgagaaattc 2460
ggaatacatt tgtctcaccc ctgatattgg ttcctgatgc ccccccaaca aaaataaata 2520
aataaattat ggctgcttta tttaaatata aggtagctag tttttacacc tgagataaat 2580
aataagctta gagtgtattt ttcccttgct tttgggggtt cagaggagta tgtacaattc 2640
ttctgggaag ccagccttct gaacttttg gtactaaatc cttattggaa ccaagacaaa 2700
ggaagcaaaa ttggtctctt tagagaccaa tttgcctaaa ttttaaaatc ttcctacaca 2760
catctagacg ttcaagtttg caaatcagtt tttagcaaga aaacattttt gctatacaaa 2820
cattttgcta agtctgccca aagccccccc aatgcattcc ttcaacaaaa tacaatctct 2880
gtactttaaa gttattttag tcatgaaatt ttatatgcag agagaaaaag ttaccgagac 2940
agaaaacaaa tctaagggaa aggaatatta tgggattaag ctgagcaagc aattctggtg 3000
gaaagtcaaa cctgtcagtg ctccacacca gggctgtggt cctcccagac atgcatagga 3060
atggccacag gtttacactg ccttcccagc aattataagc acaccagatt cagggagact 3120
gaccaccaag ggatagtgta aaaggacatt ttctcagttg ggtccatcag cagtttttct 3180
tcctgcattt attgttgaaa actattgttt catttcttct tttataggcc ttattactgc 3240
ttaatccaaa tgtgtaccat tggtgagaca catacaatgc tctgaataca ctacgaattt 3300
gtattaaaca catcagaata tttccaaata caacatagta tagtcctgaa tatgtacttt 3360
taacacaaga gagactattc aataaaaact cactgggtct ttcatgtctt taagctaagt 3420
aagtgttcag aaggttcttt tttatattgt cctccacctc catcattttc aataaaagat 3480
agggcttttg ctcccttgtt cttggaggga ccattattac atctctgaac taccttttgta 3540
tccaacatgt tttaaatcct taaatgaatt gctttctccc aaaaaaagca caatataaag 3600
aaacacaaga tttaattatt tttctacttg gggggaaaaa agtcctcatg tagaagcacc 3660
cacttttgca atgttgttct aagctatcta tctaactctc agcccatgat aaagttcctt 3720
aagctggtga ttcctaatca aggacaagcc accctagtgt ctcatgtttg tatttggtcc 3780
cagttgggta cattttaaaa tcctgatttt ggagacttaa aaccaggtta atggctaaga 3840
atgggtaaca tgactcttgt tggattgtta ttttttgttt gcaatgggga atttataaga 3900
agcatcaagt ctctttctta ccaaagtctt gttaggtggt ttatagttct tttggctaac 3960
aaatcatttt ggaaataaag atttttttact acaaaaatg 3999

<210> 178
<211> 1069
<212> DNA
<213> Homo sapiens

<400> 178
aaaaaagatg aataaatgaa taagagagat gaataaacaa atttacatta catgtgatag 60
ttatcatggt atggccttca tgacaagatg gatgagaata tcactgatag gatattagcc 120
ttctttcata tctttatatt gaaatatggg ctttacttca atttgaaggt ctttcatgaa 180
caataaaaga gagtagaagg actgtctgag aaggcaggag acatataaaa cagatgactg 240
aaagactgac tagctcctgg aaagggaaac atttggaaca tccagagtaa gggcaaatgg 300
gcttctacca gcacaacaaa gagcctccag gtggcaacat ggaagcaggt tatcagagaa 360
aataaatgtg caaattcctt atttacaatg actcacttaa ccccacaaac atgtttcact 420
gctgccttcc ccagttgtcg cttatgtact gttgttacct ttcagttaca tgcctttgat 480
cctaaaattc tctacttttg gtgccttatc agttctttgc aatctgcctg tggttatcag 540
cacttaaagc acaattttga aggggaaaaa aatgataatc accttagtcc caaagaaata 600
atttgtcaaa ctgccttatt agtattaaaa acagacacac tgaatgaagt agcatgatac 660
gcatatatcc tactcagtat cattggcctt ttatcaaatg gggaaactat acttttgtat 720
tacatagttt tagaaatcga aagttagaga ctctttataa gtaatgtcaa ggaacagtaa 780
tttaaaaaca aagttctaac aaatatattg tttgcttaat cacaatgccc tcaacttgta 840
tttgaataac taaataggac atgtcttcct tggagctgtg ggcattagtt cagaagcact 900
acctgcatct taatttttcaa aacttaagtt ttattagcaa atcctcttct ctgtaagact 960
tagctatgaa gtggtatatt ttttccaaat atttttctga aaacatttgt tgttgtaact 1020

gcacaataaa agtccagttg caattaaaaa aaaaaaaaaa aaaaaaaaa 1069

<210> 179
<211> 1817
<212> DNA
<213> Homo sapiens

<400> 179
tgctattctg ccaaaagaca atttctagag tagttttgaa tgggttgatt tcccccactc 60
ccacaaactc tgaagccagt gtctagctta ctaaaaaaag agttgtatat aatatttaag 120
atgctgagta tttcatagga aagctgaatg ctgctgtaaa gtgctcttta agtctttttt 180
ttttttaatc cccttctaat gaatgaaact aggggaattt caggggacag agatgggatt 240
tgttgtatga taaactgtat gtagttttta gtctttctgt tttgagaagc agtggttggg 300
gcatttttaa gatggctggc tactcttgtt ttccctcatg ataataaatt tgtcataact 360
cagtaacatg aacttgcccc tagaggtagt tgttaataat tttgaaatat taaggtcttg 420
ccaagcttct gatgattcac acctgtacta ctgattatta agcaggacag actgagcttt 480
ctgttgcaaa taccttggag gagaaagtaa tttctaaata tacagagagg taacttgact 540
atatatgttg catcctgtgc ctcccttcat attaatattt gataaagatt ttaatttatg 600
taaaacttct aaagcagaat caaagctcct cttggggaaa tggcaagtct ttaggatagg 660
caagaccctg tatgaatagt accaaagcat taccgcatgg tagagaacac actcgattaa 720
aaatgttaag ctatctgaaa aataaaatgt gcaagtcttc aggatggcac aaaacaaagg 780
ttaatgcttc ttggggcaca tttcttagag ggcttgctga gtgtgtaaat ataatcgact 840
tttgtttgtg ttacatgact tctgtgactt cattgaaaat ctgcacaatt cagtttcagc 900
tctggattac ttcagttgac ctttgtgaag gtttttatct gtgtagaatg ggtgtttgac 960
ttgttttagc ctattaaatt tttatttttct ttcactctgt attaaaagta aaacttacta 1020
aaagaaaaga ggtttgtgtt cacattaaat ggttttggtt tggcttcttt tagtcaggct 1080
ttctgaacat tgagatatcc tgaacttaga gctcttcaat cctaagattt tcatgaaaag 1140
cctctcactt gaacccaaac cagagtactc ttactgcctc ttttctaaat gttcaggaaa 1200
agcattgcca gttcagtctt ttcaaaatga gggagaaaca tttgcctgcc ttgtaataac 1260
aagactcagt gcttatttttt taaactgcat tttaaaaatt ggatagtata ataacaataa 1320
ggagtaagcc acctttttata ggcaccctgt agttttatag ttcttaatct aaacatttta 1380
tatttccttc ttttggaaaa aacctacatg ctacaagcca ccatatgcac agactataca 1440
gtgagttgag ttggctctcc cacagtcttt gaggtgaatt acaaaagtcc agccattatc 1500
atcctcctga gttatttgaa atgatttttt ttgtacattt tggctgcagt attggtggta 1560
gaatatacta taatatggat catctctact tctgtattta tttatttatt actagacctc 1620
aaccacagtc ttctttttcc ccttccacct ctctttgcct gtaggatgta ctgtatgtag 1680
tcatgcactt tgtattaata tattagaaat ctacagatct gttttgtact ttttatactg 1740
ttggatactt ataatcaaaa cttttactag ggtattgaat aaatctagtc ttactagaaa 1800
aaaaaaaaaa aaaaaaa 1817

<210> 180
<211> 2382
<212> DNA
<213> Homo sapiens

<400> 180
acttttattg gaagcagcag ccacatccct gcatgatttg cattgcaata caaccataac 60
cgggcagcca ctcctgagtg ataaccagta taacataaac gtagcagcct caatttttgc 120
ctttatgacg acagcttgtt atggttgcag tttgggtctg gctttacgaa gatggcgacc 180
gtaacactcc ttagaaactg gcagtcgtat gttagtttca cttgtctact ttatatgtct 240
gatcaatttg gataccattt tgtccagatg caaaaacatt ccaaaagtaa tgtgtttagt 300
agagagagac tctaagctca agttctggtt tatttcatgg atggaatgtt aattttatta 360
tgatattaaa gaaatggcct tttattttac atctctcccc tttttccctt tcccccttta 420
ttttcctcct tttctttctg aaagtttcct tttatgtcca taaaatacaa atatattgtt 480

cataaaaaat tagtatccct tttgtttggt tgctgagtca cctgaacctt aattttaatt 540
ggtaattaca gcccctaaaa aaaacacatt tcaaataggc ttcccactaa actctatatt 600
ttagtgtaaa ccaggaattg gcacactttt tttagaatgg gccagatggt aaatatttat 660
gcttcacggt ccatacagtc tctgtcacaa ctattcagtt ctgctagtat agcgtgaaag 720
cagctataca caatacagaa atgaatgagt gtggttatgt tctaataaaa cttatttata 780
aaaacaaggg gaggctgggt ttagcctgtg ggccatagtt tgtcaaccac tggtgtaaaa 840
ccttagttat atatgatctg cattttcttg aactgatcat tgaaaactta taaacctaac 900
agaaaagcca cataatattt agtgtcatta tgcaataatc acattgcctt tgtgttaata 960
gtcaaatact taccttttgga gaatacttac ctttggagga atgtataaaa tttctcaggc 1020
agagtcctgg atataggaaa aagtaattta tgaagtaaac ttcagttgct taatcaaact 1080
aatgatagtc taacaactga gcaagatcct catctgagag tgcttaaaat gggatcccca 1140
gagaccatta accaatactg gaactggtat ctagctactg atgtcttact ttgagtttat 1200
ttatgcttca gaatacagtt gtttgccctg tgcatgaata tacccatatt tgtgtgtgga 1260
tatgtgaagc ttttccaaat agagctctca gaagaattaa gtttttactt ctaattattt 1320
tgcattactt tgagttaaat ttgaatagag tattaaatat aaagttgtag attcttatgt 1380
gtttttgtat tagcccagac atctgtaatg tttttgcact ggtgacagac aaaatctgtt 1440
ttaaaatcat atccagcaca aaaactattt ctggctgaat agcacagaaa agtattttaa 1500
cctacctgta gagatcctcg tcatggaaag gtgccaaact gttttgaatg gaaggacaag 1560
taagagtgag gccacagttc ccaccacacg agggcttttg tattgttcta ctttttcagc 1620
cctttacttt ctggctgaag catccccttg gagtgccatg tataagttgg gctattagag 1680
ttcatggaac atagaacaac catgaatgag tggcatgatc cgtgcttaat gatcaagtgt 1740
tacttatcta ataatcctct agaaagaacc ctgttagatc ttggtttgtg ataaaaatat 1800
aaagacagaa gacatgagga aaaacaaaag gtttgaggaa atcaggcata tgactttata 1860
cttaacatca gatcttttct ataatatcct actactttgg ttttcctagc tccataccac 1920
acacctaaac ctgtattatg aattacatat tacaaagtca taaatgtgcc atatggatat 1980
acagtacatt ctagttggaa tcgtttactc tgctagaatt taggtgtgag atttttttgtt 2040
tcccaggtat agcaggctta tgtttggtgg cattaaattg gtttctttaa aatgctttgg 2100
tggcactttt gtaaacagat tgcttctaga ttgttacaaa ccaagcctaa gacacatctg 2160
tgaatactta gatttgtagc ttaatcacat tctagacttg tgagttgaat gacaaagcag 2220
ttgaacaaaa attatggcat ttaagaattt aacatgtctt agctgtaaaa atgagaaagt 2280
gttggttggt tttaaaatct ggtaactcca tgatgaaaag aaatttattt tatacgtgtt 2340
atgtctctaa taaagtattc atttgataaa aaaaaaaaaa aa 2382

<210> 181
<211> 2377
<212> DNA
<213> Homo sapiens

<400> 181
atctttatgc aagacaagag tcagccatca gacactgaaa tatattatga tagattatga 60
agaatttttct ctgtagaatt atattcttcc tggaacctgg tagagtagat tagactcaaa 120
ggctttttct tccttttctt actcctgttt tttccactca ctcttcccaa gagatttcct 180
aaagcttcaa gcttaataag cctaatagtg aaaaataact gaatttaatg gtataatgaa 240
gttcttcatt tccagacatc tttaattgat cttaaagctc atttgagtct ttgcccctga 300
acaaagacag acccattaaa atctaagaat tctaaatttt cacaactgtt tgagcttctt 360
ttcattttga aggatttgga atatatatgt tttcataaaa gtatcaagtg aaatatagtt 420
acatgggagc tcaatcatgt gcagattgca ttctgttatg ttgactcaat atttaattta 480
caactatcct tatttatatt gacctcaaga actccatttt atgcaatgca gaccactgag 540
atatagctaa cattctttca aataattttc cttttctttt ataattcctc tatagcaaat 600
ttttatgtat aactgattat acatatccat atttatattt cattgattcc aagacatcac 660
tttttcaatt taacatctct gaaattgtga catttcttgc aactgttggc acttcagatg 720
cagtgtttaa aattatgctt gaataaatat tacactaatc caactttacc taaatgttta 780
tgcatctagg caaattttgt tttcttataa agatttgaga gcccatttat gacaaaatat 840
gaaggcgaaa tttaaggaca actgagtcac gcacaactca acatggagcc taactgatta 900

tcagctcaga tcccgcatat cttgagttta caaaagctct ttcaggtccc catttatact 960
ttacgtgagt gcgaatgatt tcagcaaacc ctaacttaac taacaagaat gggtaggtat 1020
gtctacgttt cattaacaaa tttttattat ttttattcta ttatatgaga tccttttata 1080
ttatcatctc acttttaaac aaaattaact ggaaaaatat tacatggaac tgtcatagtt 1140
aggttttgca gcatcttaca tgtcttgtat caatggcagg agaaaaatat gataaaaaca 1200
atcagtgctg tgaaaaacaa ctttcttcta gagtcctctt acttttttatt cttctttatc 1260
atttgtgggt ttttcccccc tggctctcac tttaacttca agcttatgta acgactgtta 1320
taaaactgca tatttaaatt atttgaatta tatgaaataa ttgttcagct atctgggcag 1380
ctgttaatgt aaacctgaga gtaataacac tactctttta tctacctgga atacttttct 1440
gcataaaatt tatctttgta agctaactct attaatcagg tttcttctag cctctgcaac 1500
ctacttcagt tagaattgtc taatactgct ctattaatca ggtttctacc ctctacaacc 1560
tacttcagtt aaaattgtct aatacagcaa tatttaaaaa aaaaacactg caattgtcaa 1620
ggatggaaaa tgtgtgattt gtgtaaacaa tttttaccaa ctttacattt tcctacagat 1680
aaatgtgaaa ttttgataag aagtctacgc aatgacaagt acggtacata aattttatta 1740
agaatattga gtataaagta ctttaattct aaattataag aaaatataca tttgcacata 1800
ttaatataga aattcatttt gtgtatattt aacatagctt ttaaactatt ttacattagc 1860
tacttcatta tggtttcttg aacttctgaa aaaaattaga aatgtattaa acttatcagt 1920
aacataaaaa cttattttgt ttcacctaac gaatactgcg tttgtaaaaa taaatttaat 1980
atagaatata tttttaaatt aaatatttga atataaaata gctctaagaa agaagcaaat 2040
tatcactgaa catatttctt attatttctg gctttgaatt atacgtaact taaattgtct 2100
taaatgatac agaatattgg agaatatgat actttcacat aatatactat gaacctgttc 2160
atataactct gattgactac taacttctgt tttatgtatt tattaaagag ctgacactgt 2220
agtttgtggt gagatgttta tttttctaac agagcttata acagttagga caaggcattt 2280
aattaatgca tcattctgtt tagtagtagg tgttaatcaa tatgaaattc tctgttttaa 2340
aataaaaatg taaaaatcta aaaaaaaaaa aaaaaaa 2377

<210> 182
<211> 1370
<212> DNA
<213> Homo sapiens

<400> 182
tgtgagcatg gtattttgtc tcggaagaaa aaaatatggg tcaggcgcaa agtaagccca 60
ccccactggg aactatgtta aaaaaaaatt tcaagattta agggagatta cggtgttact 120
atgacaccag aaaaacttag aactttgtgt gaaatagact ggctaacatt agaggtgggt 180
tggctatcag aagaaagcct ggagaggtcc cttgtttcaa aggtatggca caaggtaacc 240
tgtaagccaa agcacccgga ccagtttcta tacatagaca gttacagctg gtttagaccc 300
cttccccctc tccccacagt agttaagaga acagcagcat aagcagctgg cagaggcaag 360
gaaagaccag cagagagaaa aaaaggccat ctataccaat tttaagttaa tttagactga 420
acaagggctt attaatagca aaggataatt gaaatcacaa acttataagg gtttcaacaa 480
aagtgaagtt tgctaaaagt taacagtgta acatgtatta tggtaacttc taatcttgtg 540
gccttagaca gtctagtcaa aacacataaa gaaagtttgc tttaaaaaaa caatggttat 600
cttcaaaaat aaaggggaga ggcagaattt atataaaaag agttatatga taaattcttg 660
tcctgaaata aattaactgg ttgtttaaag aaaagaatgt ttgtaataag tcaaaaagtt 720
aaaacatgtt taaaaaattg tctgcaaaag tcataaaaga aaaaatttta ttaaaaaaat 780
tttaagcaaa aaatgttgta taatttaaaa gtaataaggc ctcctgtgta ctattaagac 840
agatgcaaat tcctggttga aatggatcaa atattccatc tgcacattaa acaaaagcaa 900
ttgttatgct tgtgcacatg gcaggccaga ggccctgatt gtccccttc cactaaggtg 960
gtcctctagt cgaccaggcg tggactgcat ggtagctctt ttccaggatt ctacagcctg 1020
gagtaataag tcatgccaag ctctctctgc tatatcccaa agtctctgcg ggtcagcccc 1080
caagggccat gcagcttctg tctcccaaca ctaagttcac ttcgtgtctc tcacggcaga 1140
gaggaaactt agtattcctt ggagacctga agggatgcag tgagcttaag aattttcaag 1200
agcttatcaa tcagtcagcc cttgttcatc cccgagtgga tgtgtggtgg tattgtggtg 1260
gacctttact gggcactctg ccaaataact agtgtggcac ttgtgcttta gtccatttgg 1320

ctatcccttt caccctggca tttcatcaac caaaaaaaaa aaaaaaaaaa 1370

<210> 183
<211> 2060
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2003
<223> n = A,T,C or G

<400> 183
gtttcagggg aggagacaag gtttcttgtt tgccgtatat gctcctgcag agaagaggaa 60
gtgaccgtgg aggccatctg gccctgtgtt ttgatatggc aaaattaatg aatgcaatca 120
gaagaccttt gagcaagaaa gtaccctgga acaacccaat ttggactgca agtattagtt 180
gggtcttcca ggtgcctctc acagcagcag tcatggcagc agtgactcta gccatgtcca 240
tgaccaactg ctgcataaca aatagccccg agactcagca gcttacaaca gggtccccag 300
cccacagact ggcactggtc catggcttgt taggaacctg actgcgcagc agaaggtgag 360
tgagcattac tgcctgagct ctgcctcctg tcagatcatc aggggcatta gattctcata 420
ggagcgtgaa ccctattgca aaccgcgcat gcgaaggatg tacgttgcgt gctccttatg 480
agaatctaac taatgcctga tgatttgagg tggggcagtt tcatccccaa accatctctc 540
tcccttcatg tccatggaaa aattgtcttc tacaaaacca gtccgtggtg ccaaaaaggt 600
tggagactgc tggtttacaa ccgcaatgaa cattcatcat cccacacagt gtcagagggt 660
cgggaacacg ggtgccctgc ctgtgtgctt ccggttccag atttctcagt gggttgtgat 720
caaggtatca gcggaggccg tattcatctg caagcttgac caggaataga agagccactt 780
catgggtggc tcactcagat gccagcaggt cagtgctggt ggctggcagg cagcctcagc 840
tcctcacctc atggatctct cctgagcaca gttttcctgt ccttacaacc tggtagctgg 900
cttctccaga gcaggtgact caggagagga caaggtgaga gcccagcacc ttatggtcta 960
gtctcagaag tcacacgcca tcatttctgc aatgtcattt tggggttcca ggtcagctgt 1020
atcactgtgg gaggtgagta tatagatgtc ctagaccatt caggctgcta tgacagaaca 1080
ccatgaactg agtggctcat gaacaacaga aatttcccac agttctgtag gctgggaaat 1140
ccaagatcaa ggtggcagca ggttcagcgt ctgctaagct cctgcttttc atggattgca 1200
tcttctcact gtgtcctcac gtgatggaca gagcaaatga gctctcaggc actagtccca 1260
gccatgagga ctctgctttc atgactcatc actccgcaaa ggcccacctc catcagaaga 1320
cagctgctaa ctgcagctgc catcctccaa gacgggagac acagaattgg gggacatata 1380
cattgagatc tgaaaggcct ggacagcaac aggtggggat cgtgggggca tcttggaggg 1440
tggctgccgc agtaacattt ctgacccatg ctttctgctt gcactcatct cctgcctttg 1500
atcttcatta tctcargcag tccccacaac gactgtatct aggagttcat tttaccctca 1560
ttttacagat gaaacgtctc agagggtaat gtgcttgccc agtgtctcac aaatgcaaag 1620
tcactgaggt aggatttcaa cctaggtcca atcatctctg cagcattagg ggttcaccat 1680
tgccatagac ttaactgtgt cccccaaaat ttgtatgttg aagccctacc agcctccccc 1740
ccccaatgtg ctgatgtttg gagaaagggc ctttgggagg taattaggtt tagatgagat 1800
catgagggtg ggactctcat aatggcatta atgccatcag gtgaagagat accagagacc 1860
ttgtgtcctc tctctctgca atgtgaggac acagtgagaa ggcagctgtc tgcaagctgg 1920
gaagagagta ctgaccagga acttaatcag agggcatctt gatcttggac ttcccagcct 1980
ccagaactct gaaaagttaa tgnctattat ttaagccacg cagtctatgg aattttgtta 2040
gagccaaccc caagcttact 2060

<210> 184
<211> 3079
<212> DNA
<213> Homo sapiens

<400> 184
ggcacaaagt tgggggccgc gaagatgagg ctgtccccgg cgcccctgaa gctgagccgg 60
actccggcac tgctggccct ggcgctgccc ctggccgcgg cgctggcctt ctccgacgag 120
accctggaca aagtgcccaa gtcagagggc tactgtagcc gtatcctgcg cgcccagggc 180
acgcggcgcg agggctacac cgagttcagc ctccgcgtgg agggcgaccc cgacttctac 240
aagccgggaa ccagctaccg cgtaacactt tcagctgctc ctccctccta cttcagagga 300
ttcacattaa ttgccctcag agagaacaga gagggtgata aggaagaaga ccatgctggg 360
accttccaga tcatagacga agaagaaact cagtttatga gcaattgccc tgttgcagtc 420
actgaaagca ctccacggag gaggacccgg atccaggtgt tttggatagc accaccagcg 480
ggaacaggct gcgtgattct gaaggccagc atcgtacaaa aacgcattat ttattttcaa 540
gatgagggct ctctgaccaa gaaactttgt gaacaagatt ccacatttga tggggtgact 600
gacaaaccca tcttagactg ctgtgcctgc ggaactgcca agtacagact cacattttat 660
gggaattggt ccgagaagac acacccaaag gattaccctc gtcgggccaa ccactggtct 720
gcgatcatcg gaggatccca ctccaagaat tatgtactgt gggaatatgg aggatatgcc 780
agcgaaggcg tcaaacaagt tgcagaattg ggctcacccg tgaaaatgga ggaagaaatt 840
cgacaacaga gtgatgaggt cctcaccgtc atcaaagcca aagcccaatg gccagcctgg 900
cagcctctca acgtgagagc agcaccttca gctgaatttt ccgtggacag aacgcgccat 960
ttaatgtcct tcctgaccat gatgggccct agtcccgact ggaacgtagg cttatctgca 1020
gaagatctgt gcaccaagga atgtggctgg gtccagaagg tggtgcaaga cctgattccc 1080
tgggacgctg gcaccgacag cggggtgacc tatgagtcac ccaacaaacc caccattccc 1140
caggagaaaa tccggcccct gaccagcctg gaccatcctc agagtccttt ctatgaccca 1200
gagggtgggt ccatcactca agtagccaga gttgtcatcg agagaatcgc acggaagggt 1260
gaacaatgca atattgtacc tgacaatgtc gatgatattg tagctgacct ggctccagaa 1320
gagaaagatg aagatgacac ccctgaaacc tgcatctact ccaactggtc cccatggtcc 1380
gcctgcagct cctccacctg tgacaaaggc aagaggatgc gacagcgcat gctgaaagca 1440
cagctggacc tcagcgtccc ctgccctgac acccaggact tccagccctg catgggccct 1500
ggctgcagtg acgaagacgg ctccacctgc accatgtccg agtggatcac ctggtcgccc 1560
tgcagcatct cctgcggcat gggcatgagg tcccgggaga ggtatgtgaa gcagttcccg 1620
gaggacggct ccgtgtgcac gctgcccact gaggaaatgg agaagtgcac ggtcaacgag 1680
gagtgctctc ccagcagctg cctgatgacc gagtggggcg agtgggacga gtgcagcgcc 1740
acctgcggca tgggcatgaa gaagcggcac cgcatgatca agatgaaccc cgcagatggc 1800
tccatgtgca aagccgagac atcacaggca gagaagtgca tgatgccaga gtgccacacc 1860
atcccatgct tgctgtcccc atggtccgag tggagtgact gcagcgtgac ctgcgggaag 1920
ggcatgcgaa cccgacagcg gatgctcaag tctctggcag aacttggaga ctgcaatgag 1980
gatctggagc aggtggagaa gtgcatgctc cctgaatgcc ccattgactg tgagctcacc 2040
gagtggtccc agtggtcgga atgtaacaag tcatgtggga aaggccacgt gattcgaacc 2100
cggatgatcc aaatggagcc tcagtttgga ggtgcaccct gcccagagac tgtgcagcga 2160
aaaaagtgcc gcatccgaaa atgccttcga aatccatcca tccaaaagcc acgctggagg 2220
gaggcccgag agagccggcg gagtgagcag ctgaaggaag agtctgaagg ggagcagttc 2280
ccaggttgta ggatgcgccc atggacggcc tggtcagaat gcaccaaact gtgcggaggt 2340
ggaattcagg aacgttacat gactgtaaag aagagattca aaagctccca gtttaccagc 2400
tgcaaagaca agaaggagat cagagcatgc aatgttcatc cttgttagca agggtacgag 2460
ttccccaggg ctgcactcta gattccagag tcaccaatgg ctggattatt tgcttgttta 2520
agacaattta aattgtgtac gctagttttc atttttgcag tgtggttcgc ccagtagtct 2580
tgtggatgcc agagacatcc tttctgaata cttcttgatg ggtacaggct gagtggggcg 2640
ccctcacctc cagccagcct cttcctgcag aggagtagtg tcagccacct tgtactaagc 2700
tgaaacatgt ccctctggag cttccacctg gccagggagg acggagactt tgacctactc 2760
cacatggaga ggcaaccatg tctggaagtg actatgcctg agtcccaggg tgcggcaggt 2820
aggaaacatt cacagatgaa gacagcagat tccccacatt ctcatctttg gcctgttcaa 2880
tgaaaccatt gtttgcccat ctcttcttag tggaacttta ggtctctttt caagtctcct 2940
cagtcatcaa tagttcctgg ggaaaaacag agctggtaga cttgaagagg agcattgatg 3000
ttgggtggct tttgttcttt cactgagaaa ttcggaatac atttgtctca cccctgatat 3060
tggttcctga tgccccagc 3079

<210> 185
<211> 3000
<212> DNA
<213> Homo sapiens

<400> 185
gtttcagggg aggagacaag gtttcttgtt tgccgtatat gctcctgcag agaagaggaa 60
gtgaccgtgg aggccatctg gccctgtgtt ttgatatggc aaaattaatg aatgcaatca 120
gaagaccttt gagcaagaaa gtaccctgga acaacccaat ttggactgca agtattagtt 180
gggtcttcca ggtgcctctc acagcagcag tcatggcagc agtgactcta gccatgtcca 240
tgaccaactg ctgcataaca aatagccccg agactcagca gcttacaaca gggtccccag 300
cccacagact ggcactggtc catggcttgt taggaacctg actgcgcagc agaaggtgag 360
tgagcattac tgcctgagct ctgcctcctg tcagatcatc aggggcatta gattctcata 420
ggagcgtgaa ccctattgca aaccgcgcat gcgaaggatg tacgttgcgt gctccttatg 480
agaatctaac taatgcctga tgatttgagg tggggcagtt tcatccccaa accatctctc 540
tcccttcatg tccatggaaa aattgtcttc tacaaaacca gtccgtggtg ccaaaaaggt 600
tggagactgc tggtttacaa ccgcaatgaa cattcatcat cccacacagt gtcagagggt 660
cgggaacacg ggtgccctgc ctgtgtgctt ccggttccag atttctcagt gggttgtgat 720
caaggtatca gcggaggccg tattcatctg caagcttgac caggaataga agagccactt 780
catgggtggc tcactcagat gccagcaggt cagtgctggt ggctggcagg cagcctcagc 840
tcctcacctc atggatctct cctgagcaca gttttcctgt ccttacaacc tggtagctgg 900
cttctccaga gcaggtgact caggagagga caaggtgaga gccacagcac cttatggtct 960
agtctcagaa gtcacacgcc atcatttctg caatgtcatt ttggggttcc aggtcagctg 1020
tatcactgtg ggaggtgagt atatagatgt cctagaccat tcaggctgct atgacagaac 1080
accatgaact gagtggctca tgaacaacag aaatttccca cagttctgta ggctgggaaa 1140
tccaagatca aggtggcagc aggttcagcg tctgctaagc tcctgctttt catggattgc 1200
atcttctcac tgtgtcctca cgtgatggac agagcaaatg agctctcagg cactagtccc 1260
agccatgagg actctgcttt catgactcat cactccgcaa aggcccacct ccatcagaag 1320
acagctgcta actgcagctg ccatcctcca agacgggaga cacagaattg ggggacatat 1380
acattgagat ctgaaaggcc tggacagcaa caggtgggga tcgtgggggc atcttggagg 1440
gtggctgccg cagtaacatt tctgacccat gctttctgct tgcactcatc tcctgccttt 1500
gatcttcatt atctcaggca gtccccacaa cgactgtatc taggagttca ttttaccctc 1560
attttacaga tgaaacgtct cagagggtaa tgtgcttgcc cagtgtctca caaatgcaaa 1620
gtcactgagg taggatttca acctaggtcc aatcatctct gcagcattag gggttcacca 1680
ttgccataga cttaactgtg tcccccaaaa tttgtatgtt gaagccctac cagcctcccc 1740
cccccaatgt gctgatgttt ggagaaaggg cctttgggag gtaattaggt ttagatgaga 1800
tcatgagggt gggactctca taatggcatt aatgccatca ggtgaagaga taccagagac 1860
cttgtgtcct ctctctctgc aatgtgagga cacagtgaga aggcagctgt ctgcaagctg 1920
ggaagagagt actgaccagg aacttaatca gagggcatct tgatcttgga cttcccagcc 1980
tccagaactc tgaaaagtta atgtctatta tttaagccac gcagtctatg gaattttgtt 2040
agagccaacc caagcttact aagataatca gtatgctgca ctttctataa atgtaatttt 2100
tacatttata aaaacaaaac aagagatttg ctgctctata acaactgtac ctacattgta 2160
gatggaataa caaatctaca tacagattta gtaatctcta tgtagatata gaacatagtg 2220
tatctaatag agacatagtg tctgtggtct gatgttaatt ttaggaatta gccgtcactg 2280
attgggcctt gtccaggtat tcttctccct tgtcctggct ctgtaaccta gttatccttg 2340
tctttgctaa cccataacca actattgtat caggactatt atgccactac agatgatgca 2400
gtttgggttt actgtttctc accatttaga caatacttca tcaaatatat ttctgtatga 2460
ctttagtgat atcagttttt gattcattcc tgcatagatc tgggcaaatt gtagacctta 2520
ggaggtgtat tcaccatcca gttctctgga actgcttatg acatttttct ctgagctttc 2580
ttgtcccaaa aggagccttc ctaaaatagt ctttaagtgc ctttaaaaag agaaagagaa 2640
attaagagaa aaaaaacccc aaactcattc ctttactctg atgtgacagt cctcccagga 2700
cactgcagtg gcctgagttt tgctgttaat ttcattcact tatgtttggg ctatgtaaat 2760
tctgcctaga gctggaatgt cattatgtaa agaaatattt tttgtttata ttctttaata 2820
gtaccagtaa tgtatatctt attcagcttc gagaatataa ttgggttgtt tataaaaacc 2880

acacatcatc aaactcacat tgtaacgatt atttcacttt tcaaaaaaaa tggcattaga 2940
aaaacttgaa tgatgttagt tatcttaaag aagtgtgtac tatgtttaaa aaaaaaaaaa 3000

<210> 186
<211> 807
<212> PRT
<213> Homo sapiens

<400> 186

Met	Arg	Leu	Ser	Pro	Ala	Pro	Leu	Lys	Leu	Ser	Arg	Thr	Pro	Ala	Leu
1				5					10					15	
Leu	Ala	Leu	Ala	Leu	Pro	Leu	Ala	Ala	Ala	Leu	Ala	Phe	Ser	Asp	Glu
			20					25					30		
Thr	Leu	Asp	Lys	Val	Pro	Lys	Ser	Glu	Gly	Tyr	Cys	Ser	Arg	Ile	Leu
		35					40					45			
Arg	Ala	Gln	Gly	Thr	Arg	Arg	Glu	Gly	Tyr	Thr	Glu	Phe	Ser	Leu	Arg
	50					55					60				
Val	Glu	Gly	Asp	Pro	Asp	Phe	Tyr	Lys	Pro	Gly	Thr	Ser	Tyr	Arg	Val
65					70					75					80
Thr	Leu	Ser	Ala	Ala	Pro	Pro	Ser	Tyr	Phe	Arg	Gly	Phe	Thr	Leu	Ile
			85					90					95		
Ala	Leu	Arg	Glu	Asn	Arg	Glu	Gly	Asp	Lys	Glu	Glu	Asp	His	Ala	Gly
		100					105					110			
Thr	Phe	Gln	Ile	Ile	Asp	Glu	Glu	Glu	Thr	Gln	Phe	Met	Ser	Asn	Cys
	115					120					125				
Pro	Val	Ala	Val	Thr	Glu	Ser	Thr	Pro	Arg	Arg	Arg	Thr	Arg	Ile	Gln
130					135					140					
Val	Phe	Trp	Ile	Ala	Pro	Pro	Ala	Gly	Thr	Gly	Cys	Val	Ile	Leu	Lys
145					150					155					160
Ala	Ser	Ile	Val	Gln	Lys	Arg	Ile	Ile	Tyr	Phe	Gln	Asp	Glu	Gly	Ser
			165					170					175		
Leu	Thr	Lys	Lys	Leu	Cys	Glu	Gln	Asp	Ser	Thr	Phe	Asp	Gly	Val	Thr
		180					185					190			
Asp	Lys	Pro	Ile	Leu	Asp	Cys	Cys	Ala	Cys	Gly	Thr	Ala	Lys	Tyr	Arg
	195					200					205				
Leu	Thr	Phe	Tyr	Gly	Asn	Trp	Ser	Glu	Lys	Thr	His	Pro	Lys	Asp	Tyr
210					215					220					
Pro	Arg	Arg	Ala	Asn	His	Trp	Ser	Ala	Ile	Ile	Gly	Gly	Ser	His	Ser
225					230					235					240
Lys	Asn	Tyr	Val	Leu	Trp	Glu	Tyr	Gly	Gly	Tyr	Ala	Ser	Glu	Gly	Val
			245					250					255		
Lys	Gln	Val	Ala	Glu	Leu	Gly	Ser	Pro	Val	Lys	Met	Glu	Glu	Glu	Ile
		260					265					270			
Arg	Gln	Gln	Ser	Asp	Glu	Val	Leu	Thr	Val	Ile	Lys	Ala	Lys	Ala	Gln
	275					280					285				
Trp	Pro	Ala	Trp	Gln	Pro	Leu	Asn	Val	Arg	Ala	Ala	Pro	Ser	Ala	Glu
290					295					300					
Phe	Ser	Val	Asp	Arg	Thr	Arg	His	Leu	Met	Ser	Phe	Leu	Thr	Met	Met
305					310					315					320
Gly	Pro	Ser	Pro	Asp	Trp	Asn	Val	Gly	Leu	Ser	Ala	Glu	Asp	Leu	Cys
			325					330					335		
Thr	Lys	Glu	Cys	Gly	Trp	Val	Gln	Lys	Val	Val	Gln	Asp	Leu	Ile	Pro
		340					345					350			

Trp Asp Ala Gly Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys
355 360 365
Pro Thr Ile Pro Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His
370 375 380
Pro Gln Ser Pro Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val
385 390 395 400
Ala Arg Val Val Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn
405 410 415
Ile Val Pro Asp Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu
420 425 430
Glu Lys Asp Glu Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp
435 440 445
Ser Pro Trp Ser Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg
450 455 460
Met Arg Gln Arg Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys
465 470 475 480
Pro Asp Thr Gln Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp
485 490 495
Glu Asp Gly Ser Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro
500 505 510
Cys Ser Ile Ser Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val
515 520 525
Lys Gln Phe Pro Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu
530 535 540
Met Glu Lys Cys Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu
545 550 555 560
Met Thr Glu Trp Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met
565 570 575
Gly Met Lys Lys Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly
580 585 590
Ser Met Cys Lys Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro
595 600 605
Glu Cys His Thr Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser
610 615 620
Asp Cys Ser Val Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met
625 630 635 640
Leu Lys Ser Leu Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln
645 650 655
Val Glu Lys Cys Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr
660 665 670
Glu Trp Ser Gln Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His
675 680 685
Val Ile Arg Thr Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala
690 695 700
Pro Cys Pro Glu Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys
705 710 715 720
Leu Arg Asn Pro Ser Ile Gln Lys Pro Arg Trp Arg Glu Ala Arg Glu
725 730 735
Ser Arg Arg Ser Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe
740 745 750
Pro Gly Cys Arg Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys
755 760 765
Leu Cys Gly Gly Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg
770 775 780

Phe Lys Ser Ser Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg
785 790 795 800
Ala Cys Asn Val His Pro Cys
805

<210> 187
<211> 892
<212> DNA
<213> Homo sapiens

<400> 187
tttattgatg tttcaacagg cacttattca ataagttat atatttgaaa acagccatgg 60
taagcatcct tggcttctca cccattcctc atgtggcatg ctttctagac tttaaaatga 120
ggtaccctga atagcactaa gtgctctgta agctcaagga atctgtgcag tgctacaaag 180
cccacaggca gagaaagaac tcctcaagtg cttgtggtca gagactaggt tccatatgag 240
gcacacctat gatgaaggtc ttcacctcca gaaggtgaca ctgttcagag atcctcattt 300
cctggagagt gggagaaaat ccctcctttg ggaaatccct tttcccagca gcagagccca 360
cctcattgct tagtgatcat ttggaaggca ctgagagcct tcaggggctg acagcagaga 420
aatgaaaatg agtacagttc agatggtgga agaagcatgg cagtgacatc ttccatgctc 480
tttttctcag tgtctgcaac tccaaagatc aaggccataa cccaggagac catcaacgga 540
agattagttc tttgtcaagt gaatgaaatc caaaagcacg catgagacca atgaaagttt 600
ccgcctgttg taaaatctat tttcccccaa ggaaagtcct tgcacagaca ccagtgagtg 660
agttctaaaa gataccctg gaattatcag actcagaaac ttttatttt tttttctgta 720
acagtctcac cagacttctc ataatgctct taatatattg cacttttcta atcaaagtgc 780
gagtttatga gggtaaagct ctactttcct actgcagcct tcagattctc atcattttgc 840
atctattttg tagccaataa aactccgcac tagcaaaaaa aaaaaaaaaa aa 892

<210> 188
<211> 1448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1124
<223> n = A,T,C or G

<400> 188
tgtgactcac atttctttta ctgtgacaca ataatgtgat cctaaaactg gcttatcctt 60
gagtgtttac aactcaaaca acttttgaa tgcagtagtt ttttttttt aaaaacaaac 120
ttttatgtca aatttttttt cttagaagta gtcttcatta ttataaattt gtacaccaaa 180
aggccatggg gaactttgtg caagtacctc atcgctgagc aaatggagct tgctatgttt 240
taatttcaga aaatttcctc atatacgtag tgtgtagaat caagtctttt aataattcat 300
tttttcttca taatatttac tcaaagttaa gcttaaaaat aagttttatc ttaaaatcat 360
atttgaagac agtaagacag taaactattt taggaagtca acccccattg cactctgtgg 420
cagttattct ggtaaaaata ggcaaaagtg acctgaatct acaatggtgt cccaaagtaa 480
ccaagtaaga gagattgtaa atgataaacc gagctttaaa ggataaagtg ttaataaaga 540
aaggaagctg ggcacatgtc aaaaagggag atcgaaatgt taggtaatca tttagaaagg 600
acagaaaata tttaaagtgg ctcataggta atgaatattt ctgacttaga tgtaaatcca 660
tctggaatct ttacatcctt tgccagctga aacaagaaag tgaagggaca atgatatttc 720
atggtcagtt tattttgtaa gagacagaag aaattatatc tatacattac cttgtagcag 780
cagtacctgg aagccccagc ccgtcacaga agtgtggagg ggggctcctg actagacaat 840
ttccctagcc cttgtgattt gaagcatgaa agttctggca ggttatgagc agcactaggg 900

ataaagtatg gttttatttt ggtgtaattt aggtttttca acaaagccct tgtctaaaat 960
aaaaggcatt attggaaata tttgaaaact agaaaatgat ggataaaagg gctgataaga 1020
aaatttctga ctgtcagtag aagtgagata agatcctcag aggaaacagt aagaagggat 1080
aatcattaag atagtaaaac aggcaaagca gaatcacatg tgcncacaca catacacatg 1140
taaacattgg aatgcataag ttttaatatt ttagcgctat cagtttctaa atgcattaat 1200
tactaactgc cctctcccaa gattcattta gttcaaacag tatccgtaaa ctaggaataa 1260
tgccacatgc attcaatggg atcttttaag tactcttcag tttgttccaa gaaatgtgcc 1320
tactgaaatc aaattaattt gtattcaatg tgtacttcaa gactgctaat tgtttcatct 1380
gaaagcctac aatgaatcat tgttcamcct tgaaaaataa aattttgtaa atcaaaaaaa 1440
aaaaaaaa 1448

<210> 189
<211> 460
<212> DNA
<213> Homo sapiens

<400> 189
ttttgggagc acggactgtc agttctctgg gaagtggtca gcgcatcctg cagggcttct 60
cctcctctgt cttttggaga accagggctc ttctcagggg ctctagggac tgccaggctg 120
tttcagccag gaaggccaaa atcaagagtg agatgtagaa agttgtaaaa tagaaaaagt 180
ggagttggtg aatcggttgt tctttcctca catttggatg attgtcataa ggtttttagc 240
atgttcctcc ttttcttcac cctccccttt tttcttctat taatcaagag aaacttcaaa 300
gttaatggga tggtcggatc tcacaggctg agaactcgtt cacctccaag catttcatga 360
aaaagctgct tcttattaat catacaaact ctcaccatga tgtgaagagt ttcacaaatc 420
cttcaaaata aaaagtaatg acttaaaaaa aaaaaaaaaa 460

<210> 190
<211> 481
<212> DNA
<213> Homo sapiens

<400> 190
aggtggtgga agaaactgtg gcacgaggtg actgaggtat ctgtgggagc taatcctgtc 60
caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtggtggcg 120
gaaaatccct gccagaacca ccactgcaaa cacggcaagg tgtgcgagct ggatgagaac 180
aacaccccca tgtgcgtgtg ccaggacccc accagctgcc cagcccccat tggcgagttt 240
gagaaggtgt gcagcaatga caacaagacc ttcgactctt cctgccactt ctttgccaca 300
aagtgcaccc tggagggcac caagaagggc cacaagctcc acctggacta catcgggcct 360
tgcaaataca tccccccttg cctggactct gagctgaccg aattcccccc gcgcatgcgg 420
gactggctca agaacgtcct ggtcaccctg tatgagaggg atgaggacaa caaccttctg 480
a 481

<210> 191
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 312, 455
<223> n = A,T,C or G

<400> 191
atataaatta gactaagtgt tttcaaataa atctaaatct tcagcatgat gtgttgtgta 60

taattggagt agatattaat taagtcccct gtataatgtt ttgtaatttt gcaaaacata 120
tcttgagttg tttaaacagt caaaatgttt gatattttat accagcttat gagctcaaag 180
tactacagca aagcctagcc tgcatatcat tcacccaaaa caaagtaata gcgcctcttt 240
tattattttg actgaatgtt ttatggaatt gaaagaaaca tacgttcttt tcaagacttc 300
ctcatgaatc tntcaattat aggaaaagtt attgtgataa aataggaaca gctgaaagat 360
tgattaatga actattgtta attcttccta ttttaatgaa tgacattgaa ctgaattttt 420
tgtctgttaa atgaacttga tagctaataa aaagncaact agccatcaaa aaaaaaaaaa 480
aaaaaaaaa 489

<210> 192
<211> 516
<212> DNA
<213> Homo sapiens

<400> 192
acttcaaagc cagctgaagg aaagaggaag tgctagagag agccccccttc agtgtgcttc 60
tgacttttac ggacttggct tgttagaagg ctgaaagatg atggcaggaa tgaaaatcca 120
gcttgtatgc atgctactcc tggctttcag ctcctggagt ctgtgctcag attcagaaga 180
ggaaatgaaa gcattagaag cagatttctt gaccaatatg catacatcaa agattagtaa 240
agcacatgtt ccctcttgga agatgactct gctaaatgtt tgcagtcttg taaataattt 300
gaacagccca gctgaggaaa caggagaagt tcatgaagag gagcttgttg caagaaggaa 360
cttcttactg ctttagatgg ctttagcttg gaagcaatgt tgacaatata ccagctccac 420
aaaatctgtc acagcagggc ttttcaacac tgggagttaa tccaggaaga tattcttgat 480
actggaaatg acaaaaatgg aaaggaagaa gtcata 516

<210> 193
<211> 1409
<212> DNA
<213> Homo sapiens

<400> 193
tgattctttt ccaaaacttt tagccatagg gtcttttata gacagggata gtaaaatgaa 60
aattgagaaa tataagatga aaaggaatgg taaaaatatc ttttaggggg cttttaattg 120
gtgatctgaa atcttgggag aagctgttct tttcaggcct gaggtgctct tgactgtcgc 180
ctgcgcactg tgtaccccga gcaacattct aagggtgtgc tttcgccttg gctaactcct 240
ttgacctcat tcttcatata gtagtctagg aaaaagttgc aggtaattta aactgtctag 300
tggtacatag taactgaatt tctattccta tgagaaatga gaattattta tttgccatca 360
acacatttta tactttgcat ctccaaattt attgcggcga gacttgtcca ttgtgaaagt 420
tagagaacat tatgtttgta tcatttcttt cataaaacct caagagcatt tttaagccct 480
tttcatcaga cccagtgaaa actaaggata gatgtttttt aactggaggt ctcctgataa 540
ggagaacaca atccaccatt gtcatttaag taataagaca ggaaattgac cttgacgctt 600
tcttgttaaa tagatttaac aggaacatct gcacatcttt tttccttgtg cactatttgt 660
ttaattgcag tggattaata cagcaagagt gccacattat aactaggcaa ttatccattc 720
ttcaagactt agttattgtc acactaattg atcgtttaag gcataagatg gtctagcatt 780
aggaacatgt gaagctaatc tgctcaaaaa gatcaacaaa ttaatattgt tgctgatatt 840
tgcataattg gctgcaatta tttaatgttt aattgggttg atcaaatgag attcagcaat 900
tcacaagtgc attaatataa acagaactgg ggcacttaaa atgataatga ttaacttata 960
ttgcatgttc tcttcctttc actttttttca gtgtctacat ttcagaccga gtttgtcagc 1020
ttttttgaaa acacatcagt agaaaccaag attttaaaat gaagtgtcaa gacgaaggca 1080
aaacctgagc agttcctaaa aagatttgct gttagaaatt ttctttgtgg cagtcattta 1140
ttaaggattc aactcgtgat acaccaaaag aagagttgac ttcagagatg tgttccatgc 1200
tctctagcac aggaatgaat aaatttataa cacctgcttt agcctttgtt ttcaaaagca 1260
caaaggaaaa gtgaaaggga aagagaaaca agtgactgag aagtcttgtt aaggaatcag 1320
gtttttttcta cctggtaaac attctctatt cttttctcaa aagattgttg taagaaaaaa 1380

tgtaagmcaa aaaaaaaaaa aaaaaaaaa 1409

<210> 194
<211> 441
<212> DNA
<213> Homo sapiens

<400> 194
cagatttcgg tagccatctc cctccaaata tgtctctttc tgctttctta gtgcccatta 60
tttccccttc tcctttcttc tgtcactgcc atctccttct tggtcttccc attgttcttt 120
aactggccgt aatgtggaat tgatatttac attttgatac ggtttttttc ttggcctgtg 180
tacgggattg cctcatttcc tgctctgaat tttaaaatta gatattaaag ctgtcatatg 240
gtttcctcac aaaagtcaac aaagtccaaa caaaaatagt ttgccgtttt actttcatcc 300
attgaaaaag gaaattgtgc ctcttgcagc ctaggcaaag gacatttagt actatcgatt 360
ctttccaccc tcacgatgac ttgcggttct ctctgtagaa aagggatggc ctaagaaata 420
caactaaaaa aaaaaaaaaa a 441

<210> 195
<211> 707
<212> DNA
<213> Homo sapiens

<400> 195
cagaaaaata tttggaaaaa atataccact tcatagctaa gtcttacaga gaagaggatt 60
tgctaataaa acttaagttt tgaaaattaa gatgcaggta gagcttctga actaatgccc 120
acagctccaa ggaagacatg tcctatttag ttattcaaat acaagttgag ggcattgtga 180
ttaagcaaac aatatatttg ttagaacttt gtttttaaat tactgttcct tgacattact 240
tataaagagt ctctaacttt cgatttctaa aactatgtaa tacaaaagta tagtttcccc 300
atttgataaa aggccaatga tactgagtag gatatatgcg tatcatgcta cttcattcag 360
tgtgtctgtt tttaatacta ataaggcagt ttgacagaaa ttatttcttt gggactaagg 420
tgattatcat ttttttcccc ttcaaaattg tgctttaagt gctgataacc acaggcagat 480
tgcaaagaac tgataaggca acaaaagtag agaattttag gatcaaaggc atgtaactga 540
aaggtaacaa cagtacataa gcgacaactg gggaaggcag cagtgaaaca tgtttgtggg 600
gttaagtgag tcattgtaaa taaggaattt gcacatttat tttctgtcga cgcggccgcc 660
actgtgctgg atatctgcag aattccacca cactggacta gtggatc 707

<210> 196
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 61, 129, 189, 222, 241, 278, 324, 338, 363, 408, 415, 463,
483
<223> n = A,T,C or G

<400> 196
tggccagcca gcctgatgtg gatggcttcc ttggggtggt gcttccctca agcccgaatt 60
ngtggacatc atcaatgcca aacaatgagc cccatccatt ttccctaccc ttcctgccaa 120
gccagggant aagcagccca gaagcccagt aactgcccct tccctgcata tgcttttgat 180
ggtgtcatnt gctccttcct gtggcctcat ccaaactgta tnttccttta ctgtttatat 240
nttcaccctg taatggttgg gaccaggcca atcccttntc cacttactat aatggttgga 300
actaaacgtc accaaggtgg cttntccttg gctgaganat ggaaggcgtg gtgggatttg 360

ctnctgggtt ccctaggccc tagtgagggc agaagagaaa ccatcctntc ccttnttaca 420
ccgtgaggcc aagatcccct cagaaggcag gagtgctgcc ctntcccatg gtgcccgtgc 480
ctntgtgctg tgtatgtgaa ccacccatgt gagggaataa acctggcact aggaaaaaaa 540
aaaaaaaaaa aa 552

<210> 197
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56, 58, 76
<223> n = A,T,C or G

<400> 197
ctccagagac aacttcgcgg tgtggtgaac tctctgagga aaaacacgtg cgtggnanca 60
agtgactgag acctanaaat ccaagcgttg gaggtcctga ggccagccta agtcgcttca 120
aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240
tggccattgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgcctccctc tgggagtgct gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gctccttgc 449

<210> 198
<211> 606
<212> DNA
<213> Homo sapiens

<400> 198
tgagtttgcc cccttacccc catcccagtg aatatttgca attcctaaag acgtgttttg 60
attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagccccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
agcttgcctt tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga acactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcctggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcaggtt ccaggaaagc cctcaggcct gggctgctgg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttcttgt 600
ctgcac 606

<210> 199
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 345
<223> n = A,T,C or G

<400> 199

ggcaactttt tgcggattgt tcttgcttnc aggctttgcg ctgcaaatcc agtgctacca 60
gtgtgaagaa ttccagctga acaacgactg ctcctccccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaagg cccaagaaaa ggggaagttc tgcctcggcc ctcangccat ggctccgcac 360
caccatcct 369

<210> 200
<211> 55
<212> PRT
<213> Homo sapiens

<400> 200
Met Tyr Arg Asn Trp Ser Gly Cys Phe Gly Leu Gln Val Thr Leu Cys
 1   5   10   15
His Thr Phe Glu Thr Arg Asp Leu Ser Arg Leu Ser Ser Asp Ser Gln
            20   25   30
Pro Thr Ser Asn Val Ser Gln Ser Ile Ser His Lys Val Leu Ser Phe
        35   40   45
Ser Gly Val Ile Val Thr Pro
    50   55

<210> 201
<211> 67
<212> PRT
<213> Homo sapiens

<400> 201
Met Gln Leu Leu Ser Pro Asn Thr Lys Phe Thr Ser Cys Leu Ser Arg
 1   5   10   15
Gln Arg Gly Asn Leu Val Phe Leu Gly Asp Leu Lys Gly Cys Ser Glu
            20   25   30
Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro
        35   40   45
Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu
    50   55   60
Pro Asn Asn
65

<210> 202
<211> 73
<212> PRT
<213> Homo sapiens

<400> 202
Met Thr Pro Glu Lys Leu Arg Thr Leu Cys Glu Ile Asp Trp Leu Thr
 1   5   10   15
Leu Glu Val Gly Trp Leu Ser Glu Glu Ser Leu Glu Arg Ser Leu Val
            20   25   30
Ser Lys Val Trp His Lys Val Thr Cys Lys Pro Lys His Pro Asp Gln
        35   40   45

Phe Leu Tyr Ile Asp Ser Tyr Ser Trp Phe Arg Pro Leu Pro Pro Leu
50 55 60
Pro Thr Val Val Lys Arg Thr Ala Ala
65 70

<210> 203
<211> 2008
<212> DNA
<213> Homo sapiens

<400> 203
ctccagagac aacttcgcgg tgtggtgaac tctctgagga aaaacacgtg cgtggtaaca 60
agtgactgag acctagaaat ccaagcgttg gaggtcctga ggccagccta agtcgcttca 120
aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240
tggccattgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgcctccctc tgggagtgct gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gctccttgcc caggaggttc gccccaggag gtggaaactt 480
caagtgctgg atttacggaa gaactctcat caggacttct ggactgtatg gtctggaaac 540
agggccagtc tgtactcatt tccagagcca gaagcagctc agcccatgac aaagaagcga 600
aaagtagatg gtttgagcac agaggcagag cagcccttca ttccagtaga ggtgctcgta 660
gacctgttcc tcaaggaagg tgcctgtgat gaattgttct cctacctcat tgagaaagtg 720
aagcgaaaga aaaatgtact acgcctgtgc tgtaagaagc tgaagatttt tgcaatgccc 780
atgcaggata tcaagatgat cctgaaaatg gtgcagctgg actctattga agatttggaa 840
gtgacttgta cctggaagct acccaccttg gcgaaatttt ctccttacct gggccagatg 900
attaatctgc gtagactcct cctctcccac atccatgcat cttcctacat ttccccggag 960
aaggaagagc agtatatcgc ccagttcacc tctcagttcc tcagtctgca gtgcctgcag 1020
gctctctatg tggactcttt atttttcctt agaggccgcc tggatcagtt gctcaggcac 1080
gtgatgaacc ccttggaaac cctctcaata actaactgcc ggctttcgga aggggatgtg 1140
atgcatctgt cccagagtcc cagcgtcagt cagctaagtg tcctgagtct aagtggggtc 1200
atgctgaccg atgtaagtcc cgagcccctc caagctctgc tggagagagc ctctgccacc 1260
ctccaggacc tggtctttga tgagtgtggg atcacggatg atcagctcct tgccctcctg 1320
ccttccctga gccactgctc ccagcttaca accttaagct tctacgggaa ttccatctcc 1380
atatctgcct tgcagagtct cctgcagcac ctcatcgggc tgagcaatct gacccacgtg 1440
ctgtatcctg tccccctgga gagttatgag gacatccatg gtaccctcca cctggagagg 1500
cttgcctatc tgcatgccag gctcagggag ttgctgtgtg agttggggcg gcccagcatg 1560
gtctggctta gtgccaaccc ctgtcctcac tgtggggaca gaaccttcta tgacccggag 1620
cccatcctgt gcccctgttt catgcctaac tagctgggtg cacatatcaa atgcttcatt 1680
ctgcatactt ggacactaaa gccaggatgt gcatgcatct tgaagcaaca aagcagccac 1740
agtttcagac aaatgttcag tgtgagtgag gaaaacatgt tcagtgagga aaaaacattc 1800
agacaaatgt tcagtgagga aaaaaagggg aagttgggga taggcagatg ttgacttgag 1860
gagttaatgt gatctttggg gagatacatc ttatagagtt agaaatagaa tctgaatttc 1920
taaagggaga ttctggcttg ggaagtacat gtaggagtta atccctgtgt agactgttgt 1980
aaagaaactg ttgaaaaaaa aaaaaaaa 2008

<210> 204
<211> 923
<212> DNA
<213> Homo sapiens

<400> 204
tgagtttgcc cccttacccc catcccagtg aatatttgca attcctaaag acgtgttttg 60

attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagccccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
agcttgcctt tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga acactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcctggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcaggtt ccaggaaagc cctcaggcct gggctgctgg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttctgtc 600
tgcaccgaca ttttcattga gtacggattc ttcctaccag atacagctgc tctacaactt 660
tcgagggctg gtataaaact agcttttacc tatttttaaa aattacatga atagtaaaaa 720
cttggattaa cccagtattc gggtattttc aatttccttg ggagcttaga ggacggacaa 780
ataaaaagat tatttcaaca tcaaatatat gctattgttt acatatgaag ataaccacat 840
atatgtataa attcaccgtt acttttttagc aatactataa aatccaacag aaaaaaatag 900
catttactaa aaaaaaaaaa aaa 923

<210> 205
<211> 1619
<212> DNA
<213> Homo sapiens

<400> 205
ggcaactttt tgcggattgt tcttgcttcc aggctttgcg ctgcaaatcc agtgctacca 60
gtgtgaagaa ttccagctga acaacgactg ctcctccccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaagg cccaagaaaa ggggaagttc tgcctcggcc ctcaggccag ggctccgcac 360
caccatcctg ttcctcaaat tagccctctt ctcggcacac tgctgaagct gaaggagatg 420
ccacccccctc ctgcattgtt cttccagccc tcgcccccaa ccccccacct ccctgagtga 480
gtttcttctg ggtgtccttt tattctgggt agggagcggg agtccgtgtt ctcttttgtt 540
cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600
tttcagtatg tacttgaagg aaggaggtgg agtgaaagtt caccccccatg tctgtgtaac 660
cggagtcaag gccaggctgg cagagtcagt ccttagaagt cactgaggtg ggcatctgcc 720
ttttgtaaag cctccagtgt ccattccatc cctgatgggg gcatagtttg agactgcaga 780
gtgagagtga cgttttctta gggctggagg gccagttccc actcaaggct ccctcgcttg 840
acattcaaac ttcatgctcc tgaaaaccat tctctgcagc agaattggct ggtttcgcgc 900
ctgagttggg ctctagtgac tcgagactca atgactggga cttagactgg ggctcggcct 960
cgctctgaaa agtgcttaag aaaatcttct cagttctcct tgcagaggac tggcgccggg 1020
acgcgaagag caacgggcgc tgcacaaagc gggcgctgtc ggtggtggag tgcgcatgta 1080
cgcgcaggcg cttctcgtgg ttggcgtgct gcagcgacag gcggcagcac agcaccttgc 1140
acgaacaccc gccgaaactg ctgcgaggac accgtgtaca ggagcgggtt gatgaccgag 1200
ctgaggtaga aaaacgtctc cgagaagggg aggaggatca tgtacgcccg gaagtaggac 1260
ctcgtccagt cgtgcttggg tttggccgca gccatgatcc tccgaatctg gttgggcatc 1320
cagcatacgg ccaatgtcac aacaatcagc cctgggcaga cacgagcagg agggagagac 1380
agagaaaaga aaaacacagc atgagaacac agtaaatgaa taaaaccata aaatatttag 1440
cccctctgtt ctgtgcttac tggccaggaa atggtaccaa tttttcagtg ttggacttga 1500
cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaacccg ggggagttgg 1560
ctgtgttaaa gaaagaccat taaatgcttt agacagtgta aaaaaaaaaa aaaaaaaaa 1619

<210> 206
<211> 2364
<212> DNA
<213> Homo sapiens

<400> 206
atgcagcatc accaccatca ccacttctcc gacgagaccc tggacaaagt gcccaagtca 60
gagggctact gtagccgtat cctgcgcgcc cagggcacgc ggcgcgaggg ctacaccgag 120
ttcagcctcc gcgtggaggg cgaccccgac ttctacaagc cgggaaccag ctaccgcgta 180
acactttcag ctgctcctcc ctcctacttc agaggattca cattaattgc cctcagagag 240
aacagagagg gtgataagga agaagaccat gctgggacct tccagatcat agacgaagaa 300
gaaactcagt ttatgagcaa ttgccctgtt gcagtcactg aaagcactcc acggaggagg 360
acccggatcc aggtgttttg gatagcacca ccagcgggaa caggctgcgt gattctgaag 420
gccagcatcg tacaaaaacg cattatttat tttcaagatg agggctctct gaccaagaaa 480
ctttgtgaac aagattccac atttgatggg gtgactgaca aacccatctt agactgctgt 540
gcctgcggaa ctgccaagta cagactcaca ttttatggga attggtccga gaagacacac 600
ccaaaggatt accctcgtcg ggccaaccac tggtctgcga tcatcggagg atcccactcc 660
aagaattatg tactgtggga atatggagga tatgccagcg aaggcgtcaa acaagttgca 720
gaattgggct cacccgtgaa aatggaggaa gaaattcgac aacagagtga tgaggtcctc 780
accgtcatca aagccaaagc ccagtggcca gcctggcagc ctctcaacgt gagagcagca 840
ccttcagctg aattttccgt ggacagaacg cgccatttaa tgtccttcct gaccatgatg 900
ggccctagtc ccgactggaa cgtaggctta tctgcagaag atctgtgcac caaggaatgt 960
ggctgggtcc agaaggtggt gcaagacctg attccctggg acgctggcac cgacagcggg 1020
gtgacctatg agtcacccaa caaacccacc attccccagg agaaaatccg gcccctgacc 1080
agcctggacc atcctcagag tcctttctat gacccagagg gtgggtccat cactcaagta 1140
gccagagttg tcatcgagag aatcgcacgg aagggtgaac aatgcaatat tgtacctgac 1200
aatgtcgatg atattgtagc tgacctggct ccagaagaga aagatgaaga tgacacccct 1260
gaaacctgca tctactccaa ctggtcccca tggtccgcct gcagctcctc cacctgtgac 1320
aaaggcaaga ggatgcgaca gcgcatgctg aaagcacagc tggacctcag cgtcccctgc 1380
cctgacaccc aggacttcca gccctgcatg ggccctggct gcagtgacga agacggctcc 1440
acctgcacca tgtccgagtg gatcacctgg tcgccctgca gcatctcctg cggcatgggc 1500
atgaggtccc gggagaggta tgtgaagcag ttcccggagg acggctccgt gtgcacgctg 1560
cccactgagg aaacggagaa gtgcacggtc aacgaggagt gctctcccag cagctgcctg 1620
atgaccgagt ggggcgagtg ggacgagtgc agcgccacct gcggcatggg catgaagaag 1680
cggcaccgca tgatcaagat gaaccccgca gatggctcca tgtgcaaagc cgagacatca 1740
caggcagaga agtgcatgat gccagagtgc cacaccatcc catgcttgct gtccccatgg 1800
tccgagtgga gtgactgcag cgtgacctgc gggaagggca tgcgaacccg acagcggatg 1860
ctcaagtctc tggcagaact tggagactgc aatgaggatc tggagcaggt ggagaagtgc 1920
atgctccctg aatgccccat tgactgtgag ctcaccgagt ggtcccagtg gtcggaatgt 1980
aacaagtcat gtgggaaagg ccacgtgatt cgaacccgga tgatccaaat ggagcctcag 2040
tttggaggtg caccctgccc agagactgtg cagcgaaaaa agtgccgcat ccgaaaatgc 2100
cttcgaaatc catccatcca aaagctacgc tggagggagg cccgagagag ccggcggagt 2160
gagcagctga aggaagagtc tgaaggggag cagttcccag gttgtaggat gcgcccatgg 2220
acggcctggt cagaatgcac caaactgtgc ggaggtggaa ttcaggaacg ttacatgact 2280
gtaaagaaga gattcaaaag ctcccagttt accagctgca aagacaagaa ggagatcaga 2340
gcatgcaatg ttcatccttg ttag 2364

<210> 207
<211> 787
<212> PRT
<213> Homo sapiens

<400> 207
Met Gln His His His His His His Phe Ser Asp Glu Thr Leu Asp Lys
1 5 10 15
Val Pro Lys Ser Glu Gly Tyr Cys Ser Arg Ile Leu Arg Ala Gln Gly
20 25 30
Thr Arg Arg Glu Gly Tyr Thr Glu Phe Ser Leu Arg Val Glu Gly Asp

35 40 45
Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val Thr Leu Ser Ala
50 55 60
Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile Ala Leu Arg Glu
65 70 75 80
Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly Thr Phe Gln Ile
85 90 95
Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys Pro Val Ala Val
100 105 110
Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln Val Phe Trp Ile
115 120 125
Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys Ala Ser Ile Val
130 135 140
Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser Leu Thr Lys Lys
145 150 155 160
Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr Asp Lys Pro Ile
165 170 175
Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg Leu Thr Phe Tyr
180 185 190
Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr Pro Arg Arg Ala
195 200 205
Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser Lys Asn Tyr Val
210 215 220
Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val Lys Gln Val Ala
225 230 235 240
Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile Arg Gln Gln Ser
245 250 255
Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln Trp Pro Ala Trp
260 265 270
Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu Phe Ser Val Asp
275 280 285
Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met Gly Pro Ser Pro
290 295 300
Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys Thr Lys Glu Cys
305 310 315 320
Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro Trp Asp Ala Gly
325 330 335
Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys Pro Thr Ile Pro
340 345 350
Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His Pro Gln Ser Pro
355 360 365
Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val Ala Arg Val Val
370 375 380
Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn Ile Val Pro Asp
385 390 395 400
Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu Glu Lys Asp Glu
405 410 415
Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp Ser Pro Trp Ser
420 425 430
Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg Met Arg Gln Arg
435 440 445
Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys Pro Asp Thr Gln
450 455 460
Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser

```
465                 470                 475                 480
Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro Cys Ser Ile Ser
                485                 490                 495
Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro
            500                 505                 510
Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys
        515                 520                 525
Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp
    530                 535                 540
Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys
545                 550                 555                 560
Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly Ser Met Cys Lys
                565                 570                 575
Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro Glu Cys His Thr
            580                 585                 590
Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val
        595                 600                 605
Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu
    610                 615                 620
Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys
625                 630                 635                 640
Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr Glu Trp Ser Gln
                645                 650                 655
Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr
            660                 665                 670
Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu
        675                 680                 685
Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro
    690                 695                 700
Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser
705                 710                 715                 720
Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg
                725                 730                 735
Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly
            740                 745                 750
Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser
        755                 760                 765
Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val
    770                 775                 780
His Pro Cys
785
```

<210> 208
<211> 1362
<212> DNA
<213> Homo sapiens

<400> 208
atggcttcac ccagcctccc gggcagtgac tgctcccaaa tcattgatca cagtcatgtc 60
cccgagtttg aggtggccac ctggatcaaa atcaccctta ttctggtgta cctgatcatc 120
ttcgtgatgg gccttctggg gaacagcgcc accattcggg tcacccaggt gctgcagaag 180
aaaggatact tgcagaagga ggtgacagac cacatggtga gtttggcttg ctcggacatc 240
ttggtgttcc tcatcggcat gcccatggag ttctacagca tcatctggaa tccccctgacc 300

```
acgtccagct acaccctgtc ctgcaagctg cacactttcc tcttcgaggc ctgcagctac 360
gctacgctgc tgcacgtgct gacactcagc tttgagcgct acatcgccat ctgtcacccc 420
ttcaggtaca aggctgtgtc gggaccttgc caggtgaagc tgctgattgg cttcgtctgg 480
gtcacctccg ccctggtggc actgcccttg ctgtttgcca tgggtactga gtaccccctg 540
gtgaacgtgc ccagccaccg gggtctcact tgcaaccgct ccagcacccg ccaccacgag 600
cagcccgaga cctccaatat gtccatctgt accaacctct ccagccgctg gaccgtgttc 660
cagtccagca tcttcggcgc cttcgtggtc tacctcgtgg tcctgctctc cgtagccttc 720
atgtgctgga acatgatgca ggtgctcatg aaaagccaga agggctcgct ggccgggggc 780
acgcggcctc cgcagctgag gaagtccgag agcgaagaga gcaggaccgc caggaggcag 840
accatcatct tcctgaggct gattgttgtg acattggccg tatgctggat gcccaaccag 900
attcggagga tcatggctgc ggccaaaccc aagcacgact ggacgaggtc ctacttccgg 960
gcgtacatga tcctcctccc cttctcggag acgtttttct acctcagctc ggtcatcaac 1020
ccgctcctgt acacggtgtc ctcgcagcag tttcggcggg tgttcgtgca ggtgctgtgc 1080
tgccgcctgt cgctgcagca cgccaaccac gagaagcgcc tgcgcgtaca tgcgcactcc 1140
accaccgaca gcgcccgctt tgtgcagcgc ccgttgctct tcgcgtcccg gcgccagtcc 1200
tctgcaagga gaactgagaa gattttctta agcacttttc agagcgaggc cgagccccag 1260
tctaagtccc agtcattgag tctcgagtca ctagagccca actcaggcgc gaaaccagcc 1320
aattctgctg cagagaatgg ttttcaggag catgaagttt ga                    1362

<210> 209
<211> 453
<212> PRT
<213> Homo sapiens

<400> 209
Met Ala Ser Pro Ser Leu Pro Gly Ser Asp Cys Ser Gln Ile Ile Asp
 1               5                  10                  15
His Ser His Val Pro Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr
            20                  25                  30
Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn
        35                  40                  45
Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
    50                  55                  60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
65                  70                  75                  80
Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
                85                  90                  95
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr
            100                 105                 110
Phe Leu Phe Glu Ala Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr
        115                 120                 125
Leu Ser Phe Glu Arg Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys
    130                 135                 140
Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp
145                 150                 155                 160
Val Thr Ser Ala Leu Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr
                165                 170                 175
Glu Tyr Pro Leu Val Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn
            180                 185                 190
Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser
        195                 200                 205
Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile
    210                 215                 220
Phe Gly Ala Phe Val Val Tyr Leu Val Val Leu Leu Ser Val Ala Phe
```

```
225                 230                 235                 240
Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser
                245                 250                 255
Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu
            260                 265                 270
Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile
        275                 280                 285
Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile
    290                 295                 300
Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg
305                 310                 315                 320
Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser
                325                 330                 335
Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg
            340                 345                 350
Arg Val Phe Val Gln Val Leu Cys Cys Arg Leu Ser Leu Gln His Ala
        355                 360                 365
Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser
    370                 375                 380
Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser
385                 390                 395                 400
Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu
                405                 410                 415
Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu
            420                 425                 430
Pro Asn Ser Gly Ala Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe
        435                 440                 445
Gln Glu His Glu Val
    450
```

<210> 210
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 607
<223> n = A,T,C or G

<400> 210
agttctcctt gcagaggact ggcgccggga cgcgaagagc aacgggcgct gcacaaagcg 60
ggcgctgtcg gtggtggagt gcgcatgtac gcgcaggcgc ttctcgtggt tggcgtgctg 120
cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct gcgaggacac 180
cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg agaaggggag 240
gaggatcatg tacgcccgga agtaggacct cgtccagtcg tgcttgggtt tggccgcagc 300
catgatcctc cgaatctggt tgggcatcca gcatacggcc aatgtcacaa caatcagccc 360
tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat gagaacacag 420
taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg gccaggaaat 480
ggtaccaatt tttcagtgtt ggacttgaca gcttcttttg ccacaagcaa gagagaattt 540
aacactgttt caaacccggg ggagttggct gtgttaaaga aagaccatta aatgctttag 600
acagtgnaaa aaaaaaaaaa aaaaa   625

<210> 211
<211> 1619
<212> DNA
<213> Homo sapiens

<400> 211
ggcaactttt tgcggattgt tcttgcttcc aggctttgcg ctgcaaatcc agtgctacca 60
gtgtgaagaa ttccagctga acaacgactg ctcctccccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaagg cccaagaaaa ggggaagttc tgcctcggcc ctcaggccag ggctccgcac 360
caccatcctg ttcctcaaat tagccctctt ctcggcacac tgctgaagct gaaggagatg 420
ccacccccctc ctgcattgtt cttccagccc tcgcccccaa ccccccacct ccctgagtga 480
gtttcttctg ggtgtccttt tattctgggt agggagcggg agtccgtgtt ctcttttgtt 540
cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600
tttcagtatg tacttgaagg aaggaggtgg agtgaaagtt cacccccatg tctgtgtaac 660
cggagtcaag gccaggctgg cagagtcagt ccttagaagt cactgaggtg ggcatctgcc 720
ttttgtaaag cctccagtgt ccattccatc cctgatgggg gcatagtttg agactgcaga 780
gtgagagtga cgttttctta gggctggagg gccagttccc actcaaggct ccctcgcttg 840
acattcaaac ttcatgctcc tgaaaaccat tctctgcagc agaattggct ggtttcgcgc 900
ctgagttggg ctctagtgac tcgagactca atgactggga cttagactgg ggctcggcct 960
cgctctgaaa agtgcttaag aaaatcttct cagttctcct tgcagaggac tggcgccggg 1020
acgcgaagag caacgggcgc tgcacaaagc gggcgctgtc ggtggtggag tgcgcatgta 1080
cgcgcaggcg cttctcgtgg ttggcgtgct gcagcgacag gcggcagcac agcaccttgc 1140
acgaacaccc gccgaaactg ctgcgaggac accgtgtaca ggagcgggtt gatgaccgag 1200
ctgaggtaga aaaacgtctc cgagaagggg aggaggatca tgtacgcccg gaagtaggac 1260
ctcgtccagt cgtgcttggg tttggccgca gccatgatcc tccgaatctg gttgggcatc 1320
cagcatacgg ccaatgtcac aacaatcagc cctgggcaga cacgagcagg agggagagac 1380
agagaaaaga aaaacacagc atgagaacac agtaaatgaa taaaaccata aaatatttag 1440
cccctctgtt ctgtgcttac tggccaggaa atggtaccaa tttttcagtg ttggacttga 1500
cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaacccg gggagttgg 1560
ctgtgttaaa gaaagaccat taaatgcttt agacagtgta aaaaaaaaaa aaaaaaaaa 1619

<210> 212
<211> 1010
<212> DNA
<213> Homo sapiens

<400> 212
ccgcagccgg gagcccgagc gcgggcgatg caggctccgc gagcggcacc tgcggctcct 60
ctaagctacg accgtcgtct ccgctggcag cagctgcggg ccccagcagc ctcggcagcc 120
acagccgctg cagcctgggg cagcctccgc tgctgtcgcc tcctctgatg cgcttgccct 180
ctccctggcc ccgggactcc gggagaatgt gggtcctagg catcgcggca actttttgcg 240
gattgttctt gcttccaagg ctttgcgctg caaatccagt gctaccagtg tgaagaattc 300
cagctgaaca acgactgctc ctcccccgag ttcattgtga attgcacggt gaacgttcaa 360
gacatgtgtc agaaagaagt gatggagcaa agtgccggga tcatgtaccg caagtcctgt 420
gcatcatcag cggcctgtct catcgcctct gccgggtacc agtccttctg ctccccaggg 480
aaactgaact cagtttgcat cagctgctgc aacacccctc tttgtaaccg ggccaaggcc 540
caagaaaagg ggaagttctg cctcggccct caggccaggg ctccgaacca ccatcctgtc 600
cctcaaatta agccctactt ctcggcacac tgctggaagc ttgaagggag aaggcaccca 660
ctcctgcata gtccatccag gcctcgcccc acacacccca ctccctgaga gagcacgccc 720
agggagacca aaaaccggga taggcaacgg acccccagac accacaaggg acccgaggac 780
aaagacgcag acaactcgcg aaagccaccc acgaatacaa cggcccgaac acagatataa 840

cgcacgagcc ccgaccgaca agagaagaag cagaagaaac acccacagac agaaacagac 900
accagcaaca agcgaaaaca gcaaaacgac actagcgaga caccacctgc acacaacacc 960
acagcccaac acagaggaca cgacaacaaa gagacagcac caacgacgaa 1010

<210> 213
<211> 480
<212> DNA
<213> Homo sapiens

<400> 213
gccaactccg gaggctctgg tgctcggccc gggagcgcga gcgggaggag cagagacccg 60
cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120
agctacgacc gtcgtctccg cggcagcagc gcgggcccca gcagcctcgg cagccacagc 180
cgctgcagcc ggggcagcct ccgctgctgt cgcctcctct gatgcgcttg ccctctcccg 240
gccccgggac tccgggagaa tgtgggtcct aggcatcgcg gcaacttttt gcggattgtt 300
cttgcttcca ggctttgcgc tgcaaatcca gtgctaccag tgtgaagaat tccagctgaa 360
caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420
tgagaaagaa gtgatggagc aaagtgccgg gatcatgtac cgcaagtcct gtgcatgatc 480

<210> 214
<211> 1897
<212> DNA
<213> Homo sapiens

<400> 214
gccaactccg gaggctctgg tgctcggccc gggagcgcga gcgggaggag cagagacccg 60
cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120
agctacgacc gtcgtctccg cggcagcagc gcgggcccca gcagcctcgg cagccacagc 180
cgctgcagcc ggggcagcct ccgctgctgt cgcctcctct gatgcgcttg ccctctcccg 240
gccccgggac tccgggagaa tgtgggtcct aggcatcgcg gcaacttttt gcggattgtt 300
cttgcttcca ggctttgcgc tgcaaatcca gtgctaccag tgtgaagaat tccagctgaa 360
caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420
tcagaaagaa gtgatggagc aaagtgccgg gatcatgtac cgcaagtcct gtgcatcatc 480
agcggcctgt ctcatcgcct ctgccgggta ccagtccttc tgctccccag ggaaactgaa 540
ctcagtttgc atcagctgct gcaacacccc tctttgtaac gggccaaggc ccaagaaaag 600
gggaagttct gcctcggccc tcaggccagg gctccgcacc accatcctgt tcctcaaatt 660
agccctcttc tcggcacact gctgaagctg aaggagatgc cacccctcc tgcattgttc 720
ttccagccct cgcccccaac cccccacctc cctgagtgag tttcttctgg gtgtcctttt 780
attctgggta gggagcggga gtccgtgttc tcttttgttc ctgtgcaaat aatgaaagag 840
ctcggtaaag cattctgaat aaattcagcy tgactgaatt ttcagtatgt acttgaagga 900
aggaggtgga gtgaaagttc acccccatgt ctgtgtaacc ggagtcaagg ccaggctggc 960
agagtcwgtc cttagaagtc actgaggtgg gcatctgcct tttgtaaagc ctccagtgtc 1020
cattccatcc ctgatggggg catagtttga gactgcagag tgagagtgac gttttcttag 1080
ggctggaggg ccagttccca ctcaaggctc cctcgcttga cattcaaact tcatgctcct 1140
gaaaaccatt ctctgcagca gaattggctg gtttcgcgcc tgagttgggc tctagtgact 1200
cgagactcaa tgactgggac ttagactggg gctcggcctc gctctgaaaa gtgcttaaga 1260
aaatcttctc agttctcctt gcagaggact ggcgccggga cgcgaagagc aacgggcgct 1320
gcacaaagcg ggcgctgtcg gtggtggagt gcgcatgtac gcgcaggcgc ttctcgtggt 1380
tggcgtgctg cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct 1440
gcgaggacac cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg 1500
agaaggggag gaggatcatg tacgcccgga agtaggacct cgtccagtcg tgcttgggtt 1560
tggccgcagc catgatcctc cgaatctggt tgggcatcca gcatacggcc aatgtcacaa 1620
caatcagccc tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat 1680

gagaacacag taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg 1740
gccaggaaat ggtaccaatt tttcagtgtt ggacttgaca gcttcttttg ccacaagcaa 1800
gagagaattt aacactgttt caaacccggg ggagttggct gtgttaaaga aagaccatta 1860
aatgctttag acagtgtaaa aaaaaaaaaa aaaaaaa 1897

<210> 215
<211> 141
<212> PRT
<213> Homo sapiens

<400> 215

Met	Trp	Val	Leu	Gly	Ile	Ala	Ala	Thr	Phe	Cys	Gly	Leu	Phe	Leu	Leu
1				5				10					15		
Pro	Gly	Phe	Ala	Leu	Gln	Ile	Gln	Cys	Tyr	Gln	Cys	Glu	Glu	Phe	Gln
			20					25					30		
Leu	Asn	Asn	Asp	Cys	Ser	Ser	Pro	Glu	Phe	Ile	Val	Asn	Cys	Thr	Val
		35					40					45			
Asn	Val	Gln	Asp	Met	Cys	Gln	Lys	Glu	Val	Met	Glu	Gln	Ser	Ala	Gly
	50					55					60				
Ile	Met	Tyr	Arg	Lys	Ser	Cys	Ala	Ser	Ser	Ala	Ala	Cys	Leu	Ile	Ala
65					70					75					80
Ser	Ala	Gly	Tyr	Gln	Ser	Phe	Cys	Ser	Pro	Gly	Lys	Leu	Asn	Ser	Val
				85					90					95	
Cys	Ile	Ser	Cys	Cys	Asn	Thr	Pro	Leu	Cys	Asn	Gly	Pro	Arg	Pro	Lys
			100					105					110		
Lys	Arg	Gly	Ser	Ser	Ala	Ser	Ala	Leu	Arg	Pro	Gly	Leu	Arg	Thr	Thr
		115					120					125			
Ile	Leu	Phe	Leu	Lys	Leu	Ala	Leu	Phe	Ser	Ala	His	Cys			
	130					135					140				